

**GLOBAL NEWS**  
The germ theory revisited

**REVIEWS**  
Books, Films, Music

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The unified spacememory network

# NEXUS

THE ALTERNATIVE NEWS MAGAZINE

## The robot-AI revolution:

- the end of work as we know it
- a basic income for all?

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**5G technology and  
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**Erich von Däniken  
on our ET origins**

**Pain relief from  
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**Denisovan star  
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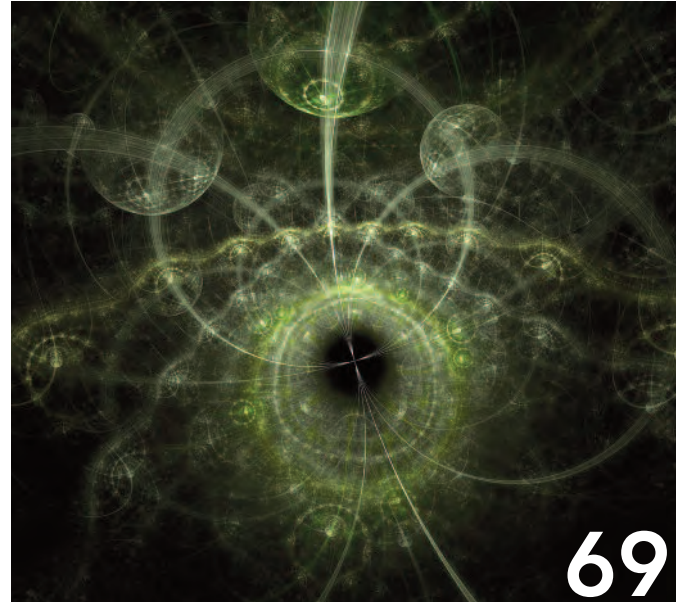
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### EDITOR

Duncan M. Roads  
Email: [editor@nexusmagazine.com](mailto:editor@nexusmagazine.com)

### MANAGING EDITOR

Jenny Hawke

### ASSISTANT EDITOR

#### SUBEDITOR

Ruth Parnell

### DESIGNER

#### PRODUCTION MANAGER

Lee Brogan

### NEWSFEED MANAGER

Steven Bartlett

### NEWSFEED EDITOR

Lynelle Roads

### OFFICE ADMINISTRATORS

Susie Foster  
Richard Giles

### CONTRIBUTORS THIS ISSUE

Jonathan V. Wright, MD;  
Reinette Senum; Paul Majchrowicz;  
Jack Heart and Orage;  
Nassim Hamein and  
William David Brown;  
Rafael Videla Eissmann;  
Alistair Coombs; Ovidiu Racorean

### CARTOONS

Phil Somerville  
<http://www.somervillecartoons.com>

### PRINTING

Spotpress, NSW, Australia

HEAD OFFICE – All Correspondence  
PO Box 307, Maleny, Qld 4552  
AUSTRALIA

Tel: +61 (0)7 5442 9280

Website: [www.nexusmagazine.com](http://www.nexusmagazine.com)

NZ OFFICE – 88C Hansen Rd

RD 1, Kerikeri 0294

NEW ZEALAND

Tel: +64 (0)9 4051963

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NEXUS recognises that humanity is undergoing a massive transformation. With this in mind, NEXUS seeks to provide 'hard-to-get' information so as to assist people through these changes. NEXUS is not linked to any religious, philosophical or political ideology or organisation.

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## EDITORIAL

# Revolution or Evolution?

Technology is now changing society at a pace that is almost impossible to keep up with. And fewer of us still are aware of the implications of this new round of massive change and how it will directly affect our lives. To start with, most jobs we can think of right now will be automated by either robots or artificial intelligence (AI), probably within our lifetime. You might want to think again if you or your children are planning a career or future involving the following professions and jobs: accountant, brain surgeon, bricklayer, factory worker, food preparer, fruit picker, fund manager, lawyer, miner, pilot, psychic reader, salesperson, sex worker, shop assistant, taxi or Uber driver, and waiter, to name but a few. If you think that any of this is even slightly farfetched or exaggerated, then you have confirmed my point about being out of touch.

So how will society continue when most of the work is being done by robots and AI? How will we receive an income? What will we do with all the spare time? What other changes should we expect? Well, it can pretty much be said that there will be no more "middle class". For the last half-century or so, the middle class has fuelled the economies of the West—that is, until recently.

Shopping centres will all but disappear as Amazon undercuts their prices and home-delivers via drones. Cash will be phased out as part of the phoney wars on drugs and tax cheats. "Only criminals will want or need cash" is what we'll be told at the time.

The 5G network rollout is an integral part of the coming social restructure and will change the game all over again. It will allow for things to talk to other things, and everything we buy or sell will contain a mini-chip to facilitate this.

Unless there are plans for a massive population reduction, a type of universal basic income scheme will have to be put in place, simply so that the masses can buy stuff and keep the global economy flowing. All of this is not far away. You may be surprised to learn that pilot programs for a universal basic income model are already underway in several countries, as you'll see in this issue.

I was astounded to learn recently that our local council has entered into discussions about which roads or lanes will be designated for driverless cars.

Furthermore, within the next decade or two, technology will grant humans the ability to live for hundreds of years with replaceable body parts and even transferable consciousness. The catch will be that we'll have to "rent" this technology from a government or a corporation—meaning that we'll lose much of our personal freedom, although it won't be obvious at the time.

Above all, the evolution of consciousness—which I believe is what this whole Earth-human life experience is about anyway—is accelerating. When 5G is rolled out, the Internet will become even more like a massive global-human brain, complete with techno-telepathy. Unfortunately, though, the cost of so much techno-convenience will be measured in the currencies of our personal sovereignty and freedom of thought.

Stay informed! Read this new issue of NEXUS Magazine and go online to [NexusNewsfeed.com](http://NexusNewsfeed.com) to keep up with it all!

– Duncan



## Adapt or die

### University Study Report

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### In preserving and evolving Life... One core self-evident principle of Life is ~ "Adapt or Die"

Adaptation, changing in response to stimuli, took us as fish from the water onto the land and continues to drive all of us. Moment to moment, now, the nervous, endocrine and other systems respond within us to adapt in real-time to keep us in homeo-stasis (human balance)... and so recreate healthy responses and natural healing.... until they don't....

If your whole body has reached this extreme point, where it has failed to adapt effectively, the systems falter, the heart stops, and unless we are resuscitated, its almost certainly the end of your incarnate human experience....



Unless the most common resuscitation device, the electrical heart defibrillator, gets applied. Medicos at this point use this electro-energetic impulse to "reset electrical fields around the heart" and so jump-start our intrinsic operating systems, our nervous systems, to resume life's real-time adaptive processes. Since electro-energy-adaptation is the self-evident means to sustain much of our health and healing: **Obviously our most ideal way to facilitate healing is to interactively prompt your electro-neuro adaptation!** That's where ENAR comes in to help healing.



ENAR: The Electro Neuro Adaptive Rejuvenator is an Australia therapeutic medical device for both personal and therapist uses. The ENAR device provides a micro electrical stimulation, similar to electro-acupuncture, which uses a **reflex-bio-feedback signal that interactively prompts nerves in the body to respond** and so treat unresolved problems. The ENAR is very easy to apply to the skin, and can be self-used all over the body.

### University Research

In Australia, two published university studies, a randomized control trial or RCT at Macquarie, and a post-market surveillance study or PMSS at RMIT, did both indicate ENAR could generate significant, extended results on many chronic painful problems.

The RMIT study comprised 481 patient-user reported cases on the use of the ENAR. Respondents were aged 18 to 88 years (average 56 years).

The primary conditions for which ENAR was used were **painful chronic musculoskeletal complaints**, although a wide range of other types of problems were reported to have been successfully managed with ENAR. **Almost one quarter had used ENAR for problems NOT involving muscles or joints.**

Remarkably, respondents reported an average **reduction in pain of 70%**. They also reported an average functional improvement of 62% using objective rating scales. (RMIT Uni)

[www.enar.com.au](http://www.enar.com.au)  
[www.enar.com.au/research](http://www.enar.com.au/research)

### Case Results Reported

When asked about the uni results, Professor Rod Bonello said *"We'd heard that ENAR could produce a dramatic benefit in some cases, but frankly we were very surprised at how strong the results were in terms of effectiveness and versatility."*

Results were reported to last between hours and years, with the average benefit reported to last a matter of months.

63% rated ENAR therapy effectiveness as giving 'great benefit'.

'Medication reduction' was reported by 91% of respondents who were taking drugs.

Participants were asked to rate the overall effectiveness of ENAR compared to other therapies they had tried. **92% found ENAR therapy superior to their other therapies.**

Almost all respondents (98%) reported positive effects on their primary problem.

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## LETTERS

### Empty Claims on Moon Flights

Dear Duncan: The most recent initiative from NASA's Acting Administrator is to upgrade the long-standing Exploration Mission-1 (EM-1), which was planned as an unmanned Moon fly-by in 2018. EM-1 will now have a crew aboard, but it will not be launched until 2019.<sup>1</sup> This decision seems to be a political stunt without any solid technical foundation.

The reality is that an interim unmanned re-entry trial before any crewed lunar fly-by is a very necessary step to model the real conditions encountered when returning from deep space. At the time of the space race, NASA claimed successful returns of the Apollo modules via direct re-entry, which is now recognised as fatally risky and therefore unacceptable. NASA is yet to establish a reliable skip re-entry.

Without this preliminary work with unmanned trials, the idea to assess "the feasibility of adding a crew" to the EM-1 flight is yet another example of issuing a statement lacking in substance, with mass-media noise replacing the necessary work.

By adopting such an approach, NASA managers are deliberately introducing a "shortcut". It will be short lived because based on previous form and following an impression of progress given by NASA, this "heroic" attempt will most likely be abandoned closer to the date, with the current plans being postponed even further. At best, this announcement could be described as another hypocritical move to sustain the Apollo mythology and secure more time for slow-paced research without losing face.

Apparently in response to NASA's announcement, SpaceX claimed that its Dragon 2 spacecraft will now

take tourists straight to the Moon by the end of 2018<sup>2</sup>, but this is yet another empty marketing stunt.

Indeed, the true preparedness of the necessary hardware is far from satisfactory, and in any case the hardware needs certification for human flight. A NASA report of September 2016 reviewed these problems with human rating and highlighted the slippages in many areas. The NASA Inspector General is not at all optimistic about SpaceX developments, as the company has failed to deliver a craft suitable for human rating. "...SpaceX has also experienced ongoing issues with stress fractures in turbopumps that must be resolved prior to flight. Additionally, SpaceX has not yet completed parachute system level testing which may reveal issues that would require redesign that could further delay test flights.

Accordingly, we anticipate additional schedule slippage and do not expect certified flights by SpaceX earlier than late 2018."<sup>3</sup>

Is there any evidence of improvement? What about overcoming the re-entry challenges? The authoritative source, the Government Accountability Office, reached its conclusion (ironically, around the same time as the SpaceX ambitious press release) regarding SpaceX and Boeing's abilities to deliver crews to the International Space Station. "...Both contractors' certification dates have been delayed into 2018, and the program's analysis indicates that neither contractor is likely to be ready until 2019."<sup>4</sup>

Sober professionals do not expect SpaceX to be capable of manned flights to low Earth orbit by the end of next year, let alone any deep-space attempts.

On the whole, this recent announcement by SpaceX is an irresponsible game of totally



unrealistic promises. It is a travesty which is seemingly a repeat of the space race. But if now we observe a "space race", which was a tragedy when it happened the first time, this second time around, as competition is stirred up by a commercial newcomer to human space exploration, it will be a farce.

Yes, Elon Musk may be able to send people into deep space. The big question is: who will return them home alive?

Regards,

Phil Kouts, New Zealand (author of the "Moon Base" series in NEXUS 21/05, 22/03 and 23/04)

### Endnotes

1. NASA, 25 February 2017, <http://tinyurl.com/znuatoh>
2. SpaceX, 27 February 2017, <http://tinyurl.com/hbrjw2b>
3. NASA, Office of Inspector General, Report No. IG-16-028, 1 September 2016, p. 15, <http://tinyurl.com/zfzoeqo>
4. US Government Accountability Office, Report GAO-17-137, February 2017, p. 24, <http://tinyurl.com/ke5qygq>

### Help for Mystery Illness

Dear Duncan: It is with pleasure that I read the article by Anthony William on Epstein-Barr virus and mystery illness [24/02]. I have been an avid follower of your magazine for many years and have been following Anthony's book for 10 months. I am currently reading his second book and cannot really find the words to describe how much his protocol has helped me.

Ten months ago, I could not run and I was having trouble with plantar fascia and joint pain. My

vertigo was escalating to at least five very bad dizzy spells per day. I had tingling in the toes and the fingers and a whole stack of other symptoms. I cannot sing Anthony William's praises enough.

Thank you for getting the word out there.

Wendy S., NSW, Australia

### **The Fight against Wi-Fi**

Dear Editor: Thank you for having the two articles on "The EMF Plague" in NEXUS [24/02-03]. We have an active group fighting Wi-Fi in schools here in BC, too, and it will appreciate having this information. Donna Fisher's writing is so clear that it is a pleasure to read.

Articles like these will reach people who are new to this topic which we've been passionately concerned about for so long.

Sharon Noble, Director, Coalition to Stop Smart Meters, British Columbia, Canada

### **US War Crimes and Hypocrisy**

Dear Duncan: While we would all agree that using chemical weapons is an absolute *no-no*, it seems to me that the United States especially has a very short memory.

Was it not the US that used chemical weapons against civilians and the enemy in the Korean War?

Was it not the US that supplied Israel with rockets with warheads filled with depleted uranium?

Was it not the US that used Agent Orange indiscriminately as a defoliant in the Vietnam War, which not only killed the trees and contaminated the air, soil and water but left the local population dead, dying or permanently disabled? So much so, its own soldiers came home with permanent disabilities and also passed on their now-damaged genes to their children and grandchildren.

Hence, if we are talking about war crimes, many names appear including past US Presidents and world leaders as well as Dick Cheney, Donald Rumsfeld and

Henry Kissinger, just to name a few!

Therefore, it is now highly hypocritical for the US to bomb a country, i.e., Syria, because someone there used chemical weapons, while at the same time admitting that it accidentally bombed hospitals, killing hundreds of doctors, nurses and patients as well as destroying desperately needed medical facilities and then saying, "We made a mistake".

Ziggy K., NSW, Australia

### **BioMats for Cancer Healing**

Dear Duncan: In 2009 I was diagnosed with prostate cancer. My prostate-specific antigen (PSA) count was 6.0 ng/mL with a grade 3 tumour. I had some radiotherapy in the same year, but I bled so much in one week that the treatment had to be stopped.

The PSA level came down to 1.9 after three weeks, and then went down every month thereafter with visits to a radiation oncologist at the John Flynn Private Hospital on the Gold Coast, Queensland. Then the PSA gradually started going up again, so I started looking at alternative stuff.

I found an integrative health specialist for vitamin C injections, and then I went to a naturopathic doctor. I started stabilising. Then I looked into hyperthermia combined with liposomal vitamin C. I was making liposomal vitamin C. With this treatment and after I'd spent \$9,000, my PSA level came down from 160 to 80.

But then, after this, my PSA began going up to 260. The local GP suggested a bone scan, which revealed that I had cancers in the bones. The radiation oncologist said: "If you don't do what I say, you will be dead in six months!"

I had another bone scan, which showed that the cancers had become worse. The oncologist said that I had a fracture in the pelvis from the cancer. I was then needing a cane to walk and I was limping.

Then I purchased the BioMat Mini

and began feeling better almost immediately. It really helped heal the fracture very quickly. Then I went to Inner Glow and began using the Professional BioMat, sandwiching myself between it and the BioMat Mini. My PSA level dropped from 2,000 to 140.

With the BioMat, I am feeling greatly improved. I can now walk without pain and don't use a stick. I've now regained all the weight I'd lost. I can now swim one kilometre three to four times a week.

In early March this year, I went to my doctor and he said not to worry about having another bone scan as I looked so well, so he said to keep doing what I'd been doing.

I had flu-type symptoms and then a rash, and I believe that these were from the cancer cells dying and being eliminated by the body.

I believe that my body is healing, thanks to the Professional BioMat and the BioMat Mini. I sandwich my body between the two mats for two hours each day.

Sincerely,

C. Andrews, Australia

### **The Thinking Person's Read**

Dear Duncan: It is my honour to ask if you could please add my testimonial to your website:

I'll never forgive the friend who introduced me to NEXUS. After I'd read one issue, I was hooked and bought it regularly, eventually taking out a subscription. It is like an addiction: I have withdrawal symptoms between issues.

There is nothing quite like NEXUS Magazine for its depth and diversity, and its insight into subject areas which are simply not covered in mainstream media yet are openly uncovered in NEXUS. It's a thinking person's bedtime (or any time) read. The price is a bargain for 88 colour pages of engrossing material. My only regret is that it appears only every two months. This simply isn't enough! I think you'll agree.

Martin Blackburn, England, UK

## GUT BACTERIA TELL THE BRAIN WHAT AN ANIMAL SHOULD EAT

For the first time, neuroscientists have shown that gut bacteria "speak" to the brain to control food choices in animals. In a study published in the journal *PLOS Biology*, researchers identified two species of bacteria that have an impact on animal dietary decisions.

The investigation was carried out by Dr Carlos Ribeiro and colleagues from the Champalimaud Centre for the Unknown in Lisbon, Portugal, and Monash University, Australia.

There's no question that nutrients and the microbiome, the community of bacteria that resides in the gut, have an impact on health. For instance, diseases such as obesity have been associated with the composition of the diet and the microbiome. However, the notion that microbes may also be able to control behaviour seems to be a big conceptual leap. Yet that's what the new study shows.

Experiments conducted using the fruit fly *Drosophila melanogaster*, a model organism, allowed the scientists to dissect the complex interaction of diet and microbes and its effect on food preference.

The researchers found that the gut bacteria "seem to induce some metabolic change that acts directly on the brain and the body, which mimics a state of protein satiety".

This study shows not only that gut bacteria act on the brain to alter what animals want to eat, but also that they may be able to do so by using a new, unknown mechanism. (Source: *Phys.org*, 25 April 2017, <http://tinyurl.com/l76oqsf>)



*Pisum sativum* (Photo: Dyorker)

## RESEARCH SHOWS THAT PLANTS 'LISTEN' TO FIND SOURCES OF WATER

A study led by The University of Western Australia (UWA) has found that plants have far more complex and developed senses than we thought, with the ability to detect and respond to sounds in order to find water and ultimately survive.

In the study "Tuned in: plant roots use sound to locate water", published in *Oecologia*, the UWA researchers found that plants can sense sound vibrations from running water moving through pipes or in the soil to help their roots move towards the source of water. They also discovered that plants do not like certain noises and will move away from particular sounds.

Lead researcher Dr Monica Gagliano, from the UWA's Centre for Evolutionary Biology at the School of Animal Biology, said that water is a basic need for a plant's survival, and the study showed that sound plays a significant role in helping plants cater to this need.

"We used the common garden pea plant (*Pisum sativum*) as the model for our study and put the plant into a container which had two tubes at the base, giving it a choice of two directions for the growth of its roots. We then exposed the plant to a series of sounds,

including white noise, running water and then a recording of running water under each tube, and observed its behaviour."

The scientists found that the plant could tell where the source of the water was, and its root system grew towards that source based on sensing the sound of running water alone.

"It also was surprising and extraordinary to see that the plant could actually tell when the sound of running water was a recording and when it was real, and that the plant did not like the recorded sound," said Dr Gagliano.

She added that when moisture was readily available in the soil, the plant did not respond to the sound of running water.

"From this we begin to see the complexity of plant interactions with sound in using it to make behavioural decisions," said Dr Gagliano.

"It indicates that the invasion of sewer pipes by tree roots may be based on the plants 'hearing' water, and shows that their perception of their surroundings is much greater and far more complex than we previously thought."

"In the animal world there is a strong call to understand how acoustic pollution adversely affects populations, but now we know plants also need to be part of these studies."

(Source: *UWA News*, 11 April 2017, <http://tinyurl.com/le5beq4>)

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## SHAPE-SHIFTING MOLECULAR ROBOTS RESPOND TO DNA SIGNALS

Researchers at Tohoku University and the Japan Advanced Institute of Science and Technology have devised a "molecular robot" consisting of biomolecules such as DNA and protein. They developed the system by integrating molecular machines into an artificial cell membrane. It can start and stop its shape-changing function in response to a specific DNA signal.

This is the first time that a molecular robotic system has been able to recognise signals and control its shape-changing function.

What this means is that molecular robots could, in the near future, operate in a way similar to living organisms.

The molecular robot is about one millionth of a metre in size—similar to that of a human cell. It consists of a molecular actuator, composed of protein, and a molecular clutch, composed of DNA.

The shape of the robot's body (the artificial cell membrane) can be changed by the actuator, while the transmission of the force generated by the actuator can be controlled by the molecular clutch.

"With more than 20 chemicals at varying concentrations, it took us a year and a half to establish good conditions for working our molecular robots," said the study's leader, Associate Professor Shin-ichiro Nomura of the Department of Robotics in the Graduate School of Engineering at Tohoku University.

The realisation of a molecular robot whose components are designed at a molecular level and which can function in a small and complicated environment, such as the human body, is expected to significantly expand the possibilities of robotics engineering.

The results of this study could lead to technological developments that could help solve important health issues—developments such as a treatment robot for live cell



culturing and a monitoring robot for checking environmental pollution.

(Source: *ScienceDaily.com*, 2 March 2017, <http://tinyurl.com/j48xz42>)

## RELIABILITY OF CANCER STUDIES PUT TO THE TEST

In recent years, scientists have been dealing with concerns about a reproducibility crisis: the possibility that many published findings may not actually be true.

Psychologists have already grappled intensively with this problem, trying to assess its scope and look for solutions. However, two reports from pharmaceutical companies have suggested that cancer biologists have to face a similar reckoning.

In 2011, Bayer HealthCare said that its in-house scientists could validate only 25 per cent of basic studies in cancer and other conditions. (Drug companies routinely do such checks so they can use the information as a starting point for developing new drugs.)

A year later, Dr Glenn Begley and Lee Ellis, MD, from Amgen said that the company could confirm the findings in only six out of 53 landmark cancer papers—just 11 per cent. They wrote that perhaps this may explain why their "ability to translate cancer research to clinical success has been remarkably low".

Nevertheless, neither the Bayer nor the Amgen teams released the list of papers they had checked or their methods or results, citing reasons of confidentiality. Ironically, without that information, there was no way of checking if their claims

about irreproducibility were themselves reproducible.

"The reports were shocking, but also seemed like finger-pointing," said Dr Tim Errington, a cell biologist at the Center for Open Science (COS) in Virginia, USA.

Dr Elizabeth Iorns had the same thought, and she saw a way to do a better and more transparent job. She had founded a start-up called Science Exchange, which uses a large network of contract laboratories to provide research support to scientists—and, in some cases, to check their work.

She contacted COS, and together they launched the Reproducibility Project: Cancer Biology, an initiative that used the Science Exchange laboratories to replicate key results from the 50 most cited cancer biology papers published between 2010 and 2012.

The results from the first five of these replication attempts were published today [18 January]—and they offer no clean answers. Two of them largely (but not entirely) confirmed the conclusions of the original studies. One failed to do so. And two were inconclusive for technical reasons: the mouse strains or cancer cell lines that were used in the original studies didn't behave in the same way the second time around.

These uncertainties mean that it's very hard to say whether each replication attempt "worked" or whether each original study was actually reproducible.

(Source: *TheAtlantic.com*, 18 January 2017, <http://tinyurl.com/lx25wap>)

## DNA HAIR ANALYSIS REVEALS ABORIGINES IN AUSTRALIA FOR 50,000 YEARS

Human remains in Australia can be traced back nearly 50,000 years before the trail disappears. Before then, apparently, Australia was free of humans. So how and when did people reach Australia? Where did humans first arrive on the continent, and how did they spread across the entire landmass?

A new genetic study of hair from 111 Aboriginal Australians offers an interesting and unexpected view of their remarkable story. The results suggest that all living Aboriginal Australians descended from a single founding population that arrived about 50,000 years ago. They swept around the continent, along the coasts, in a matter of centuries. And yet, for tens of thousands of years afterwards, those populations remained isolated, rarely mixing.

The DNA used in the study comes from Aboriginal hair samples that were collected during a series of expeditions between 1928 and the 1970s. The University of Adelaide's Board for Anthropological Research had sent scientists to Aboriginal communities across Australia, where they collected vast amounts of information about Aboriginal languages, ceremonies, artwork, cosmologies and genealogy.

Many Aboriginal Australians today no longer live where their ancestors did because the government forcibly removed many from their traditional lands and separated children from families.

Having sought permission from original donors and descendants to test the hair samples, Professor Alan Cooper, Director of the Australian Centre for Ancient DNA, and his team compared the Aboriginal sequences with DNA from other parts of the world and determined that the Aborigines all belonged to a single human lineage, indicating that all Aborigines descended from a single migration to the continent.

Mitochondrial DNA gradually

accumulates mutations at a roughly regular rate, ticking like a molecular clock. By adding up the mutations in the hair samples, the scientists estimated that their owners all descended from a common ancestor who lived about 50,000 years ago. The mitochondrial tree also gave clues as to how people spread through the continent.



Photo: Steve Evans, flickr.com

Fifty thousand years ago, sea levels were so low that Australia and New Guinea formed a single continent. Humans moved from Southeast Asia onto this landmass, some settling in what is now New Guinea and others travelling farther south into Australia. They kept to the coastlines until they reached southern Australia 49,000 to 45,000 years ago. But once this great migration was finished, the new study suggests, the ancestors of today's Aborigines hunkered down in their new homes for tens of thousands of years. Surprisingly, the mitochondrial DNA contains no evidence that these populations mixed in any significant way.

This is not the sort of migratory pattern documented by gene testing on other continents. In Europe, for instance, new populations swept in every few thousand years, mixing with the societies that they encountered. (Sources: *NYTimes.com*, 8 March

2017, <http://tinyurl.com/mytcvvy>; University of Adelaide, 9 March 2017, <http://tinyurl.com/lu5fgpf>)

## SCIENTISTS PLAN TO CREATE SYNTHETIC HUMAN DNA

According to scientists behind an ambitious and controversial plan to write the human genome from the ground up, synthesising DNA and incorporating it into mammalian and even human cells could be as little as four to five years away.

Nearly 200 leading researchers in genetics and bioengineering are expected to meet in New York City [on 9–10 May] to discuss the next stages of the Genome Project—write (GP—write) plan, a US\$100 million venture to research, engineer and test living systems of model organisms including the human genome. Framed as a follow-up to the pioneering Human Genome Project—which culminated in 2003 after 13 years of research that mapped the human genetic code—this project is billed as the logical next step, where scientists will learn less costly ways to synthesise plant, animal and eventually human DNA.

While those involved are eager to portray the project as an open, international collaboration, GP—write provoked considerable controversy after its first large meet-up in May 2016 was conducted virtually in secret, with a select group of invitation-only experts holding talks behind closed doors.

"Given that human genome synthesis is a technology that can completely redefine the core of what now joins all of humanity together as a species, we argue that discussions of making such capacities real...should not take place without open and advance consideration of whether it is morally right to proceed," wrote synthetic biologist Dr Drew Endy of Stanford University and medical ethicist Professor Laurie Zoloth from Northwestern University in *Cosmos*. (Source: *ScienceAlert.com*, 3 May 2017, <http://tinyurl.com/l2cyxtu>)

## WHAT THE NORTH KOREA 'CRISIS' IS REALLY ABOUT

The North Korea "crisis" is a Washington orchestration. North Korea was last at war in 1950–53 and has not attacked or invaded any country in 64 years. North Korea lacks the military strength to attack any country, such as South Korea or Japan, that is protected by the USA. Moreover, China would not permit North Korea to start a war.

So what is the demonisation of North Korea by the pressitutes and Trump administration about?

It is about the same thing that the demonisation of Iran was about. The "Iran threat" was an orchestration that was used as a cover to put US anti-ballistic missile (ABM) bases on Russia's borders. An ABM is intended to intercept and destroy nuclear-armed intercontinental ballistic missiles (ICBMs) and prevent them from reaching their targets.

Washington has claimed that the anti-ABM bases were not directed at Russia, but were for the protection of Europe against Iran's nuclear ICBMs. Insouciant Americans might have believed this, but the Russians surely did not as Iran has neither ICBMs nor nuclear weapons. The Russian government has made it clear that it understands that the US bases are directed at preventing a Russian retaliation against a Washington first strike.

The Chinese government also is not stupid. Its leaders understand that the reason for the North Korea "crisis" is to provide cover for Washington to put ABM sites near China's border.

In other words, Washington is creating a shield against nuclear retaliation from both Russia and China from a US nuclear strike against both countries.

China has been more forceful in its reply to Washington's efforts than has Russia. China has demanded an immediate halt to the US deployment of missiles in South Korea (<http://tinyurl.com/n3w3eaa>).

In order to keep Americans confused, Washington now calls anti-ABMs Terminal High Altitude Area Defense (THAAD).

China understands that THAAD has nothing whatsoever to do with North Korea, which borders South Korea, making it pointless for North Korea to attack South Korea with ICBMs.

THAAD in South Korea is directed against China's retaliatory forces. It is part of Washington's preparations to nuke both Russia and China with minimal consequences to the US, although Europe would certainly be completely destroyed as THAAD or anti-ABMs are useless against Russian nuclear cruise missiles and the Russian Air Force.

But no empire has ever cared about the fate of its vassals, and Washington is uninterested in the fate of Europe. Washington is interested only in its own hegemony over the world.

The question to be asked is: now that Russia and China understand that Washington is preparing for a pre-emptive nuclear strike against them in order to remove the two constraints on Washington's unilateral behaviour, will the two countries sit there and wait for the strike?

(Source: Paul Craig Roberts, [PaulCraigRoberts.org](http://PaulCraigRoberts.org), 3 May 2017, <http://tinyurl.com/l8fjqcqq>)

## ONTARIO ANNOUNCES DETAILS OF MINIMUM BASIC INCOME PILOT STUDY

The government of Ontario, Canada, is preparing a three-year test of a guaranteed minimum income in three of its regions. Four thousand individuals between the ages of 18 and 65 will be selected for the study. Each will be assigned to either a control group or a treatment group. Those in the treatment group will be eligible for the following cash benefits:

- up to C\$16,989 per year for a single person (with the amount reduced by 50 per cent of the amount of any income earned on top of the benefit);
- up to C\$24,027 per year for a couple (with the amount reduced by half of the amount of any income earned on top of the benefit);
- up to an additional C\$6,000 per year for a person with a disability.

Ontario's plans for a guaranteed income pilot study were announced in its budget in February 2016.

The project's adviser, Hugh Segal, a former senator, released the paper "Finding a Better Way: A Basic Income Pilot Project for Ontario" in November 2016 to serve as the focus of public discussions. The results were released in March 2017. (Source: [BasicIncome.org](http://BasicIncome.org), 25 April 2017, <http://tinyurl.com/kzprwfm>)



## IS THE CITY OF LONDON TO LOSE ITS CROWN JEWEL?

Where will nearly €1 trillion a day in euro-clearing operations go? The UK economy's prize "asset", the City of London's gargantuan financial services industry, is at the top of the menu at forthcoming Brexit negotiations. For Britain's Prime Minister Theresa May, safeguarding the City of London's operations is a top priority. But for the European Union's negotiators, those operations represent both a valuable asset to covet as well as a huge bargaining chip. One area of activity that European authorities, both political and monetary, seem determined to get their hands on at pretty much any cost is the City's vast clearing operations.

The UK is estimated to handle 75 per cent of all euro-denominated derivatives transactions, equivalent to around €930 billion worth of trades per day. It's also home to roughly 90 per cent of US-dollar domestic interest-rate swaps.

Clearing is a huge business for the City. The world's largest clearing house for interest-rate swaps, LCH, is based there and is majority-owned by the London Stock Exchange Group [LSE]. It functions as an intermediary, collecting collateral and standing between derivatives and swaps traders to prevent a default from spiralling out of control. As Bloomberg reports, the role of clearing houses like LCH in global finance has become far more entrenched since the 2008 financial crisis and the inexorable expansion of derivatives trading.

The European Central Bank (ECB) and France's government have been trying to seize control of the clearing of euro-denominated transactions from the City of London for years. Ironically, it was the European Court of Justice (ECJ)—the same court whose jurisdiction the UK government is now determined to elude—that in 2015 stopped this from happening on the grounds that the ECB cannot

discriminate against an EU member. But if the UK leaves the EU and thus the ECJ's jurisdiction, that ruling will no longer be applicable.

According to Manfred Weber, who is a Member of the European Parliament and a close ally of Germany's Chancellor Angela Merkel, once Britain leaves the EU it must give up the right to clear euros. France's Minister of Finance, Michel Sapin, agrees, telling the UK *Financial Times* that "this goes to the heart of the resilience of our [financial market] arrangements and of our sovereignty over our money".



They have a point. After all, if a euro-clearing bank fails, it's the ECB that will have to pick up the pieces.

Graham Bishop, a consultant on EU integration and a former banker, told Bloomberg: "They [the ECB] would be crazy to allow these huge volumes of activity with the potential to create an issue of financial instability within the euro area to continue outside their control. Can you imagine the Bank of England allowing gigantic amounts of sterling being settled in the euro area? No."

Now, in what the *Financial Times* describes as a "legal *fait accompli*", the European Commission is preparing to issue legislative proposals next month [June] that would limit London's ability to host euro-denominated clearing activities. However, any attempt to move euro clearing away from London to the continent is likely to take years to implement, be hugely disruptive and ramp up costs for companies across the region.

But where would the jobs go? Frankfurt? Paris? Luxembourg City? Dublin? Amsterdam? Madrid? Milan (whose own financial sector is hanging by a thread)?

All of these cities are desperate to take a piece of the City of London's action. Given that proximity to major seats of political, judicial and regulatory power is an essential source of competitive advantage for major financial institutions, London's most likely heir apparent is Frankfurt. It's already home to the ECB and has also launched a bid to become the future host of the

European Banking Authority, currently based in London.

But according to some, including LSE CEO Xavier Rolet, the biggest beneficiary of London's prospective demise as the world's clearing capital is likely to be none of the above. In fact, it wouldn't even be a European city. Rather than moving their workforces *en masse* across the English Channel, banks are far more likely to move entire departments, including those with global-facing roles in merger advisory services, trading, back-office technology and finance which can operate from just about any time zone, across the Atlantic.

"There is no way in the EU there is a centre with the infrastructure or regulatory infrastructure to take the role London has," particularly in capital markets, said John Nelson, Chairman of Lloyd's of London. "There is only one city in the world that can, and that is New York." (Source: *WolfStreet.com*, 2 May 2017, <http://tinyurl.com/lkgearj>)

## THE ROBOT ECONOMY IS COMING, READY OR NOT

This is the "next economy", and whether we're ready or not it's coming at the double-time speed of Moore's law. This rapid acceleration of the Fourth Industrial Revolution is transforming the apocalyptic premonition of "The Future of Employment"—that 47 per cent of all jobs in the USA may be lost to automation over the next two decades—into a solemn epitaph for the rapidly fading era of manufacturing-based, consumption-driven economics.

This is an economy where manufacturing jobs require a college degree, artificial intelligence [AI] replaces administrative workers, automated kiosks dislodge food-service workers, and driverless vehicles threaten the livelihoods of up to 10 million Americans who take to the wheel for a living.

This is "Industry 4.0". It's an economy where Amazon's dirigible-based distribution centre perpetually floats over cities, effortlessly deploying drones to deliver stuff built by robots or 3D printers or both.

Frankly, it's Amazon's jungle out there. Its plan to "disrupt" the grocery business with almost human-free stores is just the next phase of its ongoing "retail apocalypse" that's driving human-staffed, brick-and-mortar stores to extinction. Amazon also dominates the AI-assistant market with its self-teaching, suspiciously spooky personal assistant, Alexa. And now Amazon is poised to pair its increasingly automated warehouses with its move to become the leader in the self-driving future of trucking and overland shipping.

Even low-paying farming jobs could be completely upended by robotic fruit-pickers with the deft touch needed to harvest food in American and European fields. Robots are already replacing poorly paid migrant workers shut out by anti-immigrant policies.

New robot-staffed factories are producing modular houses, while robotic bricklayers promise to do to the construction trades what automation did to coal-mining.

The Oxford Martin School paired with Citi GPS in 2015 to produce a fuller picture of the global threat to jobs. In "Technology at Work", researchers found that 75 per cent of the world's robots are "geographically concentrated" in just five countries: China, Germany, Japan, Korea and the USA.

Not only is China automating jobs at an ever-faster pace, but 3D printing technology is radically altering the way that everything is made. Even as we begin to wrap our heads around a future filled with 3D printed guns, researchers are moving on to 4D printing techniques with evolving materials that can self-assemble, repair and even remake themselves at will.

Perhaps most tellingly, AI is starting to lay waste to college-educated workers in non-manual jobs previously thought to be exempt from automation. Here are just some of the white-collar casualties of the robot apocalypse.

- Goldman Sachs "employs" Marcus, a fully automated lending platform that's part of an industry-wide AI makeover, displacing humans in equities sales, trading and research.

- The Fukoku Mutual Life Insurance Company is turning over policy payouts to IBM's Watson

supercomputer, which has 6,000 corporate clients ranging from Hilton Hotels to Whirlpool and Visa.

- Coca-Cola's Global Senior Digital Director plans on using AI bots to crank out advertisements with "automated narratives". AI is already creating commercial music and jingles.

- The Smart Tissue Autonomous Robot (STAR) "outperformed" a human surgeon in a test of skill last year. This breakthrough augurs a near-future world where robots assist in and perform a variety of surgical procedures.

Just as is happening elsewhere, medical robots will ultimately prove that they can do the job quickly and efficiently, and without human burnout. The high price of doctors will be weighed against robots that perform thousands of surgeries without complaint or error, particularly since "self-taught" AI already outperforms humans in predicting heart attacks and matches them in diagnosing skin cancer. Just as in manufacturing, this could mean a wholesale revolution in health care that lowers costs and increases access to highly specialised care.

It's this level of relentless, *Terminator*-like efficiency that is disrupting the existing economic models of everything from retail and restaurants to education and warfare.

(Source: Truth-Out.org, 7 May 2017, <http://tinyurl.com/mb4nyao>)



## DAVID ROCKEFELLER'S GRUESOME LEGACY

by F. William Engdahl

The March 2017 death of David Rockefeller, the de facto Patriarch of the US establishment, at age 101, was reported by the mainstream media with praise for his alleged philanthropy.

Here I consider some examples of Rockefeller crimes against humanity.

CIA's top-secret *MKUltra* project.

In 1952, the Rockefeller brothers founded the Population Council to advance eugenics, disguised as population research, into birth control. In the 1970s, they were responsible for a top-secret US government program directed by Rockefeller national security adviser Henry Kissinger. The 1974 document NSSM 200, "Implications

Corporation and its financing of university biology research to create the "gene cannon" and other techniques to artificially alter the gene expression of a given plant.

The aim of genetically modified organisms (GMOs), since the Rockefeller Foundation sponsored the disastrous Golden Rice Project in the Philippines, has been to use GMOs to control the human and animal food chain. Today, more than 90 per cent of all soybeans and over 80 per cent of all corn and cotton grown in the USA are GMOs. Yet they are not labelled as GMOs.



David Rockefeller, photographed on 24 October 1953 with former US First Lady Eleanor Roosevelt, former United Nations Secretary-General Trygve Lie and IBM Chairman and CEO Thomas J. Watson, Sr.

### "Control the People..."

If philanthropy should be motivated by love of our fellow man, the grants of the Rockefeller Foundation are not. Take medical research. During the period until 1939 and the war, the Rockefeller Foundation financed biological research at the Kaiser Wilhelm Institute in Berlin. It was Nazi eugenics: how to breed a superior race and how to kill off or sterilise those they deemed "inferior". The Rockefellers financed Nazi eugenics.

The Rockefeller company Standard Oil also violated US law to secretly supply the Nazi air force with scarce fuel during the war.

After the war, the Rockefeller brothers arranged for leading Nazi scientists involved in ghastly human experiments to be brought to the USA and Canada under sanitised identities to continue their eugenics research. Many worked on the

of Worldwide Population Growth for U.S. Security and Overseas Interests", argued that high population growth in developing nations with strategic raw materials like oil or minerals were a US "national security threat" (sic!) as more population demands national economic growth, using those resources internally. NSSM 200 made developing-world population reduction programs a precondition of US aid.

Also in the 1970s, the Rockefeller Foundation financed, together with the World Health Organization, the development of a special tetanus vaccine that limited population by making a woman incapable of maintaining a pregnancy—literally going after the human reproductive process itself.

The Foundation created the entire field of genetic manipulation through its ownership of Monsanto

### "Control the Oil..."

The Rockefeller fortune is based on oil, around companies such as ExxonMobil, Chevron and others. Henry Kissinger, David Rockefeller's political adviser since 1954, was involved in every major Rockefeller project. Kissinger secretly manipulated Middle Eastern diplomacy in 1973 to trigger an Arab OPEC oil embargo.

The oil shock of 1973–74 was orchestrated by a secretive organisation that David Rockefeller created in 1954: the Bilderberg Group. In May 1973, Rockefeller and the heads of the major US and UK oil majors met in Saltsjöbaden, Sweden, at the annual Bilderberg Meeting to plan the oil shock. It would be blamed on "greedy Arab oil sheikhs". It saved the falling US dollar and made Wall Street banks, including David Rockefeller's Chase Manhattan, into the world's largest banks. This author has the "confidential" protocol of that meeting where the price-increase strategy is described six months before the 1973 Arab–Israeli War. Please see my book, *A Century of War*, for documentation.

In the 1970s, Henry Kissinger summed up David Rockefeller's world strategy: "If you control oil, you control entire nations; if you control food, you control the people; if you control money, you control the entire world."

## "Control the Money..."

David Rockefeller was Chairman of Chase Manhattan Bank, the Rockefeller family bank. He was responsible for getting Chase Vice President Paul Volcker to become US President Carter's Federal Reserve Chairman to create the Volcker interest-rate shock that, like the oil shock, saved the falling US dollar and Wall Street banks, including Chase Manhattan, at the expense of the world economy.

Volcker's October 1979 interest rate "shock therapy", backed by Rockefeller, created the 1980s Third World debt crisis. Rockefeller and Wall Street used that debt crisis to force state privatisations and drastic national currency devaluations in countries such as Argentina, Brazil and Mexico. Rockefeller and friends such as George Soros then grabbed the crown jewels of Argentina, Brazil and Mexico at dirt-cheap prices.

The model was much like that which the British banks used in the Ottoman Empire after 1881 when they took de facto control of the Sultan's finances by collecting all tax revenues through the Ottoman Public Debt Administration.

David Rockefeller was a personal friend of some of the more savage military dictators in Latin America including General Jorge Videla in Argentina and General Augusto Pinochet in Chile, both of whom owed their jobs to CIA coups arranged by then Secretary of State Kissinger on behalf of Rockefeller family interests in Latin America.

Through organisations such as his Trilateral Commission, David Rockefeller was the chief architect of the destruction of national economies by advancing "globalisation", a policy that mainly benefits the largest banks of Wall Street and the City of London as well as select global corporations—the same ones that are invited members of his Trilateral Commission. Rockefeller created The Trilateral Commission in 1973 and gave his close friend Zbigniew

Brzezinski the job of choosing its members in North America, Japan and Europe.

If we speak of an unseen, powerful network that some call the Deep State, we might say that David Rockefeller saw himself as Patriarch of that Deep State. His acts deserve to be seen honestly for what they were: misanthropic, not philanthropic.

(Source: *Edited from New Eastern Outlook*, 26 March 2017, <http://tinyurl.com/lx676lz>)

## THE LONG, WEIRD HISTORY OF BASIC INCOME—AND WHY IT'S BACK

by David Floyd

### What Is a Basic Income?

In its purest form, a basic income is an unconditional, periodic cash payment that the government makes to everyone. It is not based on means testing. A hedge fund manager and a homeless person receive the same amount. It has no strings attached, meaning that it carries no requirements to work, attend school, receive vaccines, register for military service or vote. It is not paid in kind (housing, food) or in vouchers. It is a floor below which no one's cash income can fall.

Questions abound as to how to implement this policy in reality. Would it be taxable? Who constitutes "everyone"? Would a basic income be limited to citizens?

The idea that the government should prop up everyone's earnings has cropped up repeatedly over the past two centuries—as a citizen's dividend, a social credit, a national dividend, a demogrant, a negative income tax and a guaranteed minimum income (or "mincome"), among other concepts.

Today, the idea of a basic income has again entered the mainstream. Unsurprisingly, given its scattered lineage, its boosters make different arguments from diverse ideological vantage points. Broadly speaking, proponents on the left see it as an antidote to poverty and inequality;

those on the right see its appeal as having more to do with increasing the efficiency of the welfare state.

Another distinction, which cross-cuts left and right, is between reformers who want to rationalise policy in view of current issues, and futurists who aim to radically overhaul society—or save it from radical overhaul due to automation.

Some of Silicon Valley's leading lights are backing a basic income to counteract the automation that their sector is creating. They include Elon Musk, who has called artificial intelligence "our biggest existential threat". Sam Altman, President of start-up incubator Y Combinator, has announced a "large, long-term study" on the effects of a basic income in Oakland, California.



Elon Musk of Tesla and SpaceX  
(Photo: Steve Jurvetson)

A March 2017 study by Daron Acemoglu of MIT and Pascual Restrepo of Boston University concluded that each robot reduces local employment by 6.2 workers.

The situation is liable to worsen. A 2013 paper by Oxford's Carl Frey and Michael Osborne found that 47 per cent of US employment is at risk from computerisation. The most vulnerable jobs are hardly confined to the factory floor. Professions and jobs facing a 90 per cent or more probability of algorithmic obsolescence include tax return preparers, waiters, paralegals, loan officers, credit analysts and 166



Nissan's Autonomous Drive prototype, using a Nissan LEAF electric car, exhibited at the 2014 Geneva Motor Show. (Photo: Norbert Aepli)

other groups. Algorithms already outperform doctors at diagnosing certain ailments, and autonomous vehicle prototypes are breathing down the necks of five million professional drivers.

One solution would be to grow out of these problems, producing twice the output instead of laying off half the workforce.

Some futurists look at the prospect of mass unemployment and wonder what all the fuss is about. When robots shuttle dinner from kitchen to table or travellers from airport to hotel, are they yanking waiters' and cab drivers' livelihoods away or liberating them from tedium? Arguably the latter, if they receive a basic income sizeable enough for them to live comfortably, and especially if they use their new-found free time in creative and socially beneficial ways.

In 1930, John Maynard Keynes articulated a utopian vision of "technological unemployment". He argued that we would leave behind "the struggle for subsistence" and that work would cease to be a necessity, although "for many ages to come the old Adam will be so strong in us that everybody will need to do some work"—perhaps 15 hours a week—"if he is to be contented". Keynes didn't mention a basic income, assuming instead that standards of living would rise inexorably until, around 2030 or so, his languid utopia would

materialise. There is still time, but some proponents believe that a basic income could hurry the process along. They see creative people, freed from the need to take jobs they don't want, contributing artistic, entrepreneurial and spiritual vitality to society. They see a recognition—even if only implicit—of women's largely unpaid work.

### Could a Basic Income Work?

Not everyone is sold on it. Bill Gates told a Reddit "Ask Me Anything" online forum in February: "Even the US isn't rich enough to allow people not to work. Some day we will be but until then things like the Earned Income Tax Credit will help increase the demand for labor." His remark sums up the two main criticisms of a universal basic income: that it would be ruinously expensive, and that it would reduce or eliminate incentives to work. Proponents challenge both of these assumptions, but a lack of empirical evidence for a basic income's effects means that the debate is mostly speculative.

Whether a given country could afford a basic income depends on the size of the payment, the design of the program—whether it replaces or supplements other welfare programs, for example—and the country's fiscal situation.

Estimates of what governments could currently afford appear to indicate that a realistic basic income

would be modest. *The Economist* calculated the amounts that 34 OECD countries could pay if they scrapped all non-health transfer payments. The most generous hypothetical benefit comes from Luxembourg, which—with its US\$100,300 GDP [gross domestic product] per capita—could afford a \$17,800 annual payout. Denmark, with its tax take of 49.6 per cent of GDP, comes in second with a potential payout of \$10,900. The US could pay \$6,300 at current tax rates. To afford a \$12,000 payout (\$60 short of the federal poverty line), it would have to increase its tax take by 10 per cent of GDP.

Switzerland held a referendum on a basic income proposal in June 2016, and it received just 23.1 per cent support. Part of the reason why the measure was voted down was its perceived unaffordability. The ballot didn't specify an amount, but campaigners mentioned 30,000 Swiss francs, or US\$29,900.

### A Little Goes a Long Way

There is evidence that even small payments are beneficial. Brazil's Bolsa Família, a conditional cash transfer program, has reduced poverty despite paying just 178 reais (US\$57) per family per month on average. Families with per-person incomes of less than 170 reais (\$54) are eligible, and 13.6 million receive benefits.

Alaska's annual Permanent Fund Dividend, which is financed by oil revenues, topped out in nominal terms at just US\$2,072 in 2015, but a 2010 study by the University of Alaska's Scott Goldsmith estimated that it adds around \$900 million per year in purchasing power—roughly equivalent to the state's retail sector.

Some proposals would sacrifice strict universality in the name of affordability. India is mulling over a "quasi-universal" basic income of 7,620 rupees (US\$118) per month. The government estimates that, to be workable, it can only be paid to

around 75 per cent of the population. Proposals to limit uptake include naming and shaming as well as means-testing based on ownership of assets such as cars and air conditioners.

### **Tax the Robots?**

The above considerations assume that society retains approximately its current form. But if mass technological unemployment does occur, Bill Gates and others have proposed taxing the robots.

Gates is sceptical of basic income and sees the tax as a way to "slow down the speed of that adoption somewhat to figure out, 'OK, what about the communities where this has a particularly big impact? Which transition programs have worked and what type of funding do those require?'"

The revenues could in theory fund a basic income, as proposed by Benoît Hamon, France's Socialist Party presidential candidate.

### **Would People Stop Working?**

The closest approximation we have to data on the effects of a universal basic income comes from the "Mincome" experiment, in which two groups of Manitoba, Canada, residents received a guaranteed minimum income from 1974 to 1979. One of these, the town of Dauphin, was a "saturation site": everyone received the benefit. Politicians soured on the project, which wrapped up without a final report being produced, but economists in the 1980s found that secondary earners worked less while primary earners barely altered their behaviour.

In a 2011 study, Evelyn Forget of the University of Manitoba compared these findings to health data to try to explain them. She found that two groups in particular worked less: married women and young men. "Married women tended to prolong the period they were out of the workforce when they gave birth," Forget told

Investopedia in February, in effect "using the stipend from income to buy themselves longer parental leave." As for young men, "what we found was a pretty dramatic increase in high school completion rates in Dauphin during that period compared to the rest of rural Manitoba". Breadwinners did not quit their jobs to indulge in drinking or other extracurricular activities; in fact, these activities may have declined. Hospitalisation rates fell by 8.5 per cent relative to the control group, led by accident injuries which encompassed "work accidents and farm accidents, car accidents, family violence", according to Forget.

On the other hand, four roughly contemporary negative income tax experiments in the US found that primary earners were responsible for one third of a 13 per cent reduction in working hours by families as a whole. These results contributed to the decline in political support for guaranteed minimum income schemes; an increase (spurious, as we later learned) in divorce rates among black families did the rest.

### **Would Poverty be Reduced?**

Brazil's Bolsa Família program is encouraging in this regard. From 2004, the program made modest cash grants to poor families who sent their children to school and the doctor. The country's poverty rate fell from 26.1 per cent in 2003 to 14.1 per cent in 2009; the extreme poverty rate fell from 10.0 per cent to 4.8 per cent. It is estimated that from 2007 to 2009, Bolsa Família was responsible for 59 per cent of the poverty reduction and 140 per cent of the extreme poverty reduction (the rates would have risen otherwise). The Gini coefficient, a measure of inequality, fell from 0.580 to 0.538 from 2003 to 2009, partly due to Bolsa Família.

The development sector has begun to favour direct cash transfers over aid in kind. Having

previously thought that recipients would waste the money, well-meaning benefactors realised that they were hardly any better. Africa is dotted with broken water pumps whose donors made no provision for them to be fixed.

Cash aid, on the other hand, appears to work rather well. A 2013 study by MIT's Johannes Haushofer and Jeremy Shapiro found that unconditional cash grants made to Kenyan households by GiveDirectly cut the days that children went without food by 42 per cent and increased livestock holdings by 51 per cent.

For some goals, however, adding conditions helps. Adolescent girls' school attendance in Malawi rose with no-strings-attached cash grants, but making school a mandatory condition for receiving payments had a much larger effect.

### **A Simple Solution?**

With luck, questions about the effectiveness of a basic income will be much easier to answer in the near future. For the first time since the 1970s, mainstream politicians and academics are enthusiastic about the idea, and experiments are being planned. In addition to Finland, Oakland and India, Ontario, Canada, is running a trial.

Until these results become available, a universal basic income will remain an uncertain but tantalising prospect. Could doing away with poverty, sweeping away patronising bureaucracy, neutralising the threat of mass unemployment and increasing the value that society places on worthwhile, but unprofitable, pursuits really be as simple as handing everyone cash?

Brazilian author and former senator Eduardo Suplicy has paraphrased Confucius from *The Analects*: *A saída é pela porta*—"The way out is through the door". (Source: Edited from *Investopedia.com*, 24 April 2017, <http://tinyurl.com/llq88wb>)

## IS THERE SOMETHING WRONG WITH THE GERM THEORY?

by Paul Fassa

Our modern medicine's paradigm is based mostly on the germ theory of microbes invading our bodies and causing disease, thus creating the need for a war against microbes to eliminate them and conquer all diseases. Fear is the motivation for creating the weapons of antibiotics, antivirals and vaccines befitting this concept, but modern populations are sicker than ever.

Are the weapons creating chronic debilitating diseases in exchange for acute illnesses that are considered infectious, which most of us manage to get over with a renewed resilience to the dreaded microbes blamed for all illness? Are we actually destroying our immune systems with our war on microbes?

### The Inner Terrain Model

Ever since Louis Pasteur's claim to fame as "the Father of the Germ Theory", our overall health has decreased even while lifespans have increased. However, from Pasteur's dominance in the media from the late 19th century until now, many scientists have denounced his model of disease, even providing evidence that Pasteur was a plagiarist or a fraudster.

Let's focus on some of the few

scientists and medical practitioners who have not agreed with the germ theory's dogma that places microbes as agents of death that should be feared at the expense of other aspects of health.

In the late 19th century, around the time that Pasteur made his questionable claim that germs "out there" cause disease, German biologist Dr Rudolf Virchow, known as "the Father of Modern Pathology", made this statement, which is included in Dr Robert O. Young's book *Sick and Tired?*:

"If I could live my life over again, I would devote it to proving that germs seek their natural habitat—diseased tissue—rather than being the cause of the diseased tissue; e.g., mosquitoes seek the stagnant water, but do not cause the pool to become stagnant."<sup>1</sup>

This "inner terrain" model was echoed by two of Pasteur's most critical contemporaries: French scientists Antoine Béchamp, MD, and Claude Bernard, MD. Béchamp was an advocate of pleomorphism, the tendency of microbes to change from one type to another according to the blood or tissue in which they reside. Bernard also supported this view, exclaiming that the germ is nothing: the inner terrain is all. In other words, any benign or, more likely, helpful microbes which

actually exist in our bodies and outnumber our cells, when engulfed with some sort of imbalance, low pH, chronic inflammation or toxic environmental influence change into less desirable guests within our inner terrain, of which our immune system is a part and not the whole.

### Koch's Postulates

Pasteur violated the late-19th-century postulates of Robert Koch, MD, for determining pathogens. Although not completely accepted today in microbiology, these conditions for determining the existence of pathogenic microbes were certainly applicable during Pasteur's time. The germ must be:

- found in all cases of the disease examined;
- prepared and maintained in a pure culture;
- capable of producing the original infection, even after several generations in culture;
- retrievable from an inoculated animal and cultured again.

Pasteur violated most of those rules, often simply injecting animals with the blood of other animals and not isolating and culturing the microbes.<sup>2</sup> But because of political favouritism from the French hierarchy at the time and Pasteur's own ambitions, his germ theory took over from all other theories of disease. His "one germ for one disease" concept turned out to be highly profitable for the soon-to-rise pharmaceutical industry, and this model controls contemporary western medicine to this day.<sup>3</sup>

### Pleomorphism Confirmed

Despite widespread acceptance of Pasteur's germ theory, a significant number of scientists accepted the pleomorphism theory that microbes could change from being helpful or benign to being pathogenic according to their immediate organic environment or inner terrain.

In 1933, a brilliant scientist named Royal Raymond Rife presented what



Louis Pasteur inoculating a man with the rabies virus. (Chromolithograph c. 1895–1900, Wellcome Library, London, <http://wellcomeimages.org>)

he called the Universal Microscope, a large and complex instrument capable of magnifying even viruses in real time. Rife was able to report microbial changes of form and size, often up to 16 phases of transition within the same microbe. Those of the pleomorphic persuasion were thrilled to witness the proof of their beliefs with Rife's microscopic wizardry.

Until Rife's Universal Microscope came along, electron microscopes would not allow microbes to thrive; the electron fields killed them. The practice of staining blood and tissue destroyed the samples before they could even be placed under the microscope.

After determining the radio-wave kill-frequencies of several viruses in their pathogenic phases and curing cancer in 16 test subjects, Rife was ruined after he refused to allow AMA henchman Morris Fishbein, MD, to buy him out. His incredible radio-frequency machines and the microscopes he had developed for his research into pleomorphic tendencies were destroyed.<sup>4</sup>

### Today's Virus Wars

In a recent episode in Germany, a suppressed stir in the field of microbiology was created when microbiologist Stefan Lanka, PhD, claimed he would award €100,000 to anyone who could prove the existence of the measles virus.

At first it appeared that he had lost. But Dr Lanka took his loss to a higher court with more experts and the backing of two independent laboratories. He wound up not having to pay. It turned out that the "proof" provided was a composite of several different electron microscope images which involved different components of damaged cells. The composite could not be duplicated. In February 2016, the German Federal Supreme Court confirmed that there was not enough evidence to prove the existence of the measles virus.<sup>5</sup>

So how can vaccines such as the

MMR be made with attenuated measles viruses? This is Dr Lanka's contentious question.

Dr Lanka and several other virologists have also challenged HIV (the human immunodeficiency virus) as a valid viral entity, let alone as the cause of AIDS. Some question how one virus can cause myriad diseases. They all question the fact that the virus has not been isolated in diagnosis. Instead, unreliable antibody tests have been performed that put someone into a life-or-death crisis over a virus that many claim really doesn't exist.

These are prominent virologists like Professor Peter Duesberg, whose contention that HIV does not cause AIDS (acquired immune deficiency syndrome) has caused him to be cut off from research funding and marginalised by many of his peers in the scientific community. To say that AIDS is not caused by a virus but simply by running one's inner terrain to the max and destroying oneself with lifestyle choices and high-level use of legal "poppers" (amyl nitrite) was just unacceptable. But it was okay to claim that a virus is the cause of AIDS and to scare everyone.

Heavy antibiotics use also contributes to damaging one's inner terrain, especially the beneficial gut bacteria that are needed for good digestion and immune response.

Another suspect virus is that which is believed to cause hepatitis C. No virus has been isolated and proven according to Koch's postulates. This is another instance of a test which proves that antibodies exist—but for what, if there is no virus?

If you objectively examine the "epidemic" viral threats including bird flu, swine flu, Ebola and Zika, you realise that they were meant to create panic to have more vaccines



A feature on Royal R. Rife made the front page of the *Evening Tribune*, San Diego, on 6 May 1938.

rushed into existence and more people vaccinated.

As the US "Vaccine Court" has proven<sup>6</sup>, many who are vaccinated wind up with minor, major and chronic autoimmune diseases and sometimes paralysis or autism. Some even die.

The "one germ, one disease" theory certainly seems to be a great business model for the medical-pharmaceutical industry. This is where the germ theory has taken us. The truth of the matter is that "illness is practically always due to errors of diet or manner of living, the germs being present solely as scavengers of dead and waste tissues and foods, and not as the cause of the disease".<sup>7</sup>

### Endnotes

1. Young, Robert O., PhD, DSc, and Shelley Redford Young, *Sick and Tired? Reclaim Your Inner Terrain*, Woodland Pub., USA, 2000, p. 15
2. <http://tinyurl.com/lxxy2cr>
3. <http://tinyurl.com/6q6fv>
4. <http://tinyurl.com/h2dhueu>
5. <http://tinyurl.com/h8m5a9g>
6. <http://tinyurl.com/zjuxg8z>
7. Pearson, R.B., *Pasteur: Plagiarist, Imposter!*, 1942, preface, p. vii; reprinted by Health Research, WA, USA, 1964

(Source: Edited from *HealthImpactNews.com*, 1 May 2017, <http://tinyurl.com/kyquovr>)

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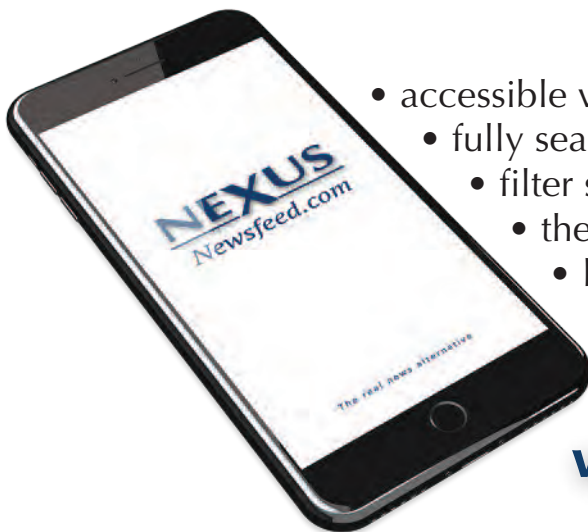
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# Eliminating Osteoarthritis Pain with Niacinamide

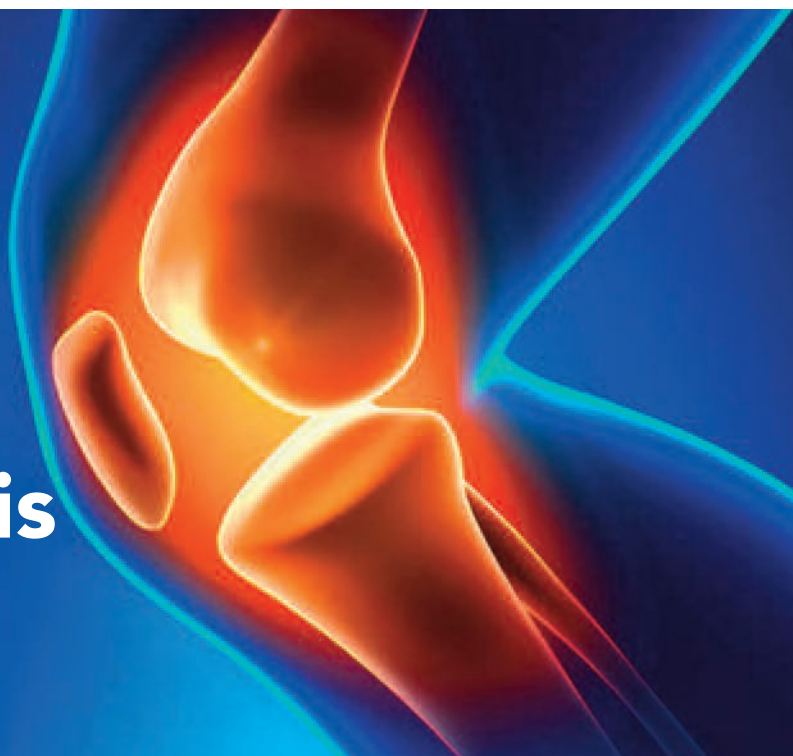


Image: Placidway, vimeo.com

## The Research of William Kaufman, PhD, MD

by Jonathan V. Wright, MD © September 2016 – May 2017

Some time in the 1980s (I don't remember exactly when), a 74-year-old man (we'll call him Joe) came to Tahoma Clinic bringing copies of X-rays of his knees. He walked slowly with a cane, putting almost all of his weight on one knee. He said he'd been told that his only option was knee joint replacement surgery. We looked at his X-rays together. He said the orthopaedic surgeon he'd consulted remarked that they showed "bone on bone" on one side and "almost bone on bone" on the other. I couldn't argue with that.

Joe had refused to take any prescription painkillers or even aspirin—which the naturopathic doctor, whom his mother consulted "only when really necessary", had told him was an unnatural (and, of course, a patentable) derivative of white willow bark. White willow bark has been used for thousands of years to relieve pain. Even though Joe had taken increasingly large doses of white willow bark over the past few years, he did what the naturopath had told him: he always took it with food and never on an empty stomach, so he did not have any gastrointestinal irritation. But during the last year, even

the large doses of white willow bark weren't "doing the job". Observing his pain, Joe's wife persuaded him to see the orthopaedic surgeon, who checked his knees, had the X-rays taken and told him that his only choice was knee replacement surgery. However, he'd never had any surgery—"not my tonsils or appendix or anything else"—and was at Tahoma Clinic as a last resort, just in case there was a more natural alternative. He had no other health problems, he said.

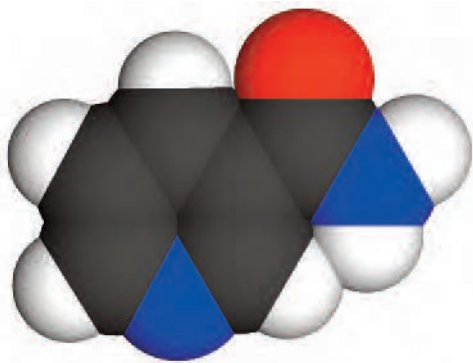
Joe's health history showed that except for the knees, he'd indeed had very few health problems. He credited his mother with that, telling me that because of "the way she'd lived and raised us" she'd had very few health problems in her entire life and was "still going strong at ninety-four". He continued to follow all of her health recommendations: "Eat right, exercise, get a good night's sleep, see only naturopathic doctors, and never ever take any drugs unless you'd die without them."

He told me that his younger brother had "taken a different path" after leaving home. He said that his brother ate Twinkies and doughnuts a lot, didn't eat very

many vegetables at all, and had become a chain smoker. He also drank alcohol regularly (but wasn't an alcoholic) and didn't exercise much. Joe's brother went to "regular doctors" who had him taking statins for high cholesterol and other patent medicines to lower his blood pressure. "But one thing he doesn't have is arthritis in his knees," Joe remarked.

After I finished compiling Joe's health history and doing a physical exam, I saw it was apparent that, other than the condition of his knees, Joe's health was indeed quite good, especially for age seventy-four. After hearing that, Joe looked disappointed and asked if that meant there was nothing else to do except to have surgery. So I told him about William Kaufman, PhD, MD [1910–2000], who in the 1940s thoroughly researched and proved a safe, effective remedy for osteoarthritis pain. This remedy also improved joint mobility significantly.

Dr Kaufman made his first observations concerning joint pain at a time when the large majority of Americans ate large quantities of processed, canned and refined foods, purely white flour and large quantities of sugar. Many people were so low in one or another essential nutrient that even a very small amount could make an observable difference within an hour or less.



A space-filling diagram of nicotinamide, also known as niacinamide ( $C_6H_6N_2O$ ). (Image: SubDural12)

In 1943, Dr Kaufman published a book<sup>1</sup> describing the mental and physical effects of the deficiency of a single vitamin—niacinamide, one form of vitamin B<sub>3</sub>—in 150 patients he had seen within the prior year. In my 1997 interview<sup>2</sup> with him, he described some of them:

"...any patient I gave niacinamide had to sit in my office for at least an hour, so I could observe what happened. My first observations were made in the days before bread and other white flour products were 'enriched'... So I really got a chance to observe the difference that niacinamide could make, starting from a position of real deficiency or semi-deficiency..."

"There are many more details in my 1943 book, but let's cover a few. Within two-and-a-half to five minutes after taking the first 100 milligrams of niacinamide, there was a degree of physical and mental relaxation which

became marked in the next 20 minutes. The first objective change, apparent within the first five minutes, is the relaxation of previously tense muscles, and the replacement of a drawn facial expression by a more calm one, or even a smile. Without suggestion, patients began to sit, walk and stand more erectly. Within the first five to 10 minutes, the color of the hands and feet might change from a sallow yellow to a healthy pinkish or ruddy color, and the hands and feet frequently are subjectively and objectively warmer. There are many more changes detailed in that book."

### ...Dr Kaufman observed that continuous use of niacinamide significantly reduced swelling in connective tissue and cartilage.

Chapter three of this book is titled "The Arthritis of Aniacinamidosis". In it, he describes improvements in arthritic pain and mobility experienced by these patients using relatively small doses of niacinamide. These observations inspired him to do a much larger and exacting study of niacinamide's effects on arthritis.

I quote Dr Kaufman again from the interview:

"...So in 1944, looking for objective data, I started precise measurement of the ranges of joint motion of every patient who had obvious arthritis, at the time of their first examination."

He designed exacting measurements of 20 joints or groups of joints that could be observed and recorded in five minutes on a specially designed form. Dr Kaufman's 1949 book<sup>3</sup> describes the results of this study of 455 patients with significant osteoarthritis. He explained that the changes in range-of-motion measurements were very necessary as they were objective measurements, and unlike changes in pain they could not be criticised as being placebo effects.

All 455 individuals had significantly less arthritis pain, and all had significant improvements in range of motion of their joints following treatment. Dr Kaufman explained that improvement started after three to four weeks of niacinamide use, and was maximised in three to four months. He also reported that taking higher quantities of niacinamide and taking them every few hours worked best. Although all arthritic joints could experience relief, the knees and shoulders responded best and most often, followed by the neck and then the wrists and fingers.

From repeated physical examinations, Dr Kaufman observed that continuous use of niacinamide significantly reduced swelling in connective tissue and cartilage. Laboratory testing of the "sedimentation rate" (a test still used frequently by physicians in 2016) demonstrated a significant reduction in inflammation. He'd also observed that it was more effective if the same total daily dose of

niacinamide was split into three or four smaller quantities. As he progressed with his research, Dr Kaufman gradually increased the overall daily amounts to be used and found that more niacinamide was more effective.

Of course, Joe heard from me only a summary version of the research findings above. But after hearing that niacinamide was most effective for the knees, he looked more optimistic and rapidly asked several questions: "Where do I get that niacinamide? Is it the same as niacin? How much do I take? Is it expensive? Can it hurt anything?"

Fortunately for us, if we take more niacinamide than our bodies want to process, our livers send us a signal: nausea! At first, it's usually just a low-grade nausea, like being on a boat and starting to be seasick. If we stop taking the niacinamide entirely until the nausea is gone—at most a few hours to 24 hours—and then resume taking it at a lower amount, we can cautiously find what the maximum dose is for us.

Niacinamide and niacin are very similar, so they're both called vitamin B<sub>3</sub>, but their effects can be quite different. Niacin dilates blood vessels quite markedly for some of us, making us hot all over and sometimes itchy, too! Niacinamide never does this. Niacin can lower cholesterol, but too much for any one person can raise the blood sugar level without giving any symptoms. Niacinamide never does this, either. Niacinamide controls osteoarthritis pain, often completely. Niacin doesn't do this.

A usually effective quantity for both men and women is a total of three grams (3,000 milligrams) daily—perhaps one gram, three times daily. A few individuals have taken a total of four grams daily and reported better results. Niacinamide is available in doses of 500, 1,000 and, in a time-release form, 1,500 milligrams, which makes it easier for some—mostly men—to remember to take. But at the time when Joe first visited Tahoma Clinic, no time-release form was available so he chose to take one gram three times daily, which is rarely associated with nausea and is often enough to be quite effective.

Niacinamide in the "regular" (not time-release) form is available at all natural food stores and compounding pharmacies and at the Tahoma Clinic Dispensary. It's very inexpensive (Joe was really happy to hear that, as he said his funds were very limited). The time-release form available now costs more, but it still isn't at all expensive and for many it is more convenient.

Dr Kaufman's second book was published in 1949. And even though Dr Kaufman was a 1938 graduate of the University of Michigan Medical School, none of us who attended that medical school—I started in 1965, and

escaped (sometimes called "graduated") with an MD degree in 1969—were informed about Dr Kaufman, his research or his books either in classes or in our work with patients. In the 1997 interview, I asked Dr Kaufman about this. Here's his answer:

"In my medical school years, we were drilled in great detail about vitamin-deficiency disorders during our lectures in internal medicine, pediatrics, public health, neurology, psychiatry and pathology. But after synthetic vitamins became available to treat florid deficiency diseases, *not* teaching about nutrition and vitamins became a national trend.

"I'm not surprised they didn't refer to my books. The reviews of my 1943 book were dismissive, because the



Osteoarthritic inflammation and pain can be relieved by supplementing with niacinamide (nicotinamide). (Image: Placidway, vimeo.com)

'experts' couldn't believe that the larger amounts of niacinamide I used in therapy improved joint mobility, muscle strength, maximal muscle-working capacity, and mental functioning."

Fortunately, Dr Kaufman's books "came my way" in 1976, three years after I'd started Tahoma Clinic.

By the time Joe came in, over a hundred people I'd seen with degrees of osteoarthritis varying from mild to severe proved to me what Dr Kaufman had already proven in the 1940s.

Back to Joe. He didn't return to Tahoma Clinic for over six months. He walked normally through the hallway to my office—no cane, no limp. He reported that he didn't feel much less joint pain until the third week after he'd started taking 1,000 milligrams of niacinamide, three times a day. In that third week, he noticed a little improvement. By the third month, the pain was nearly gone. From the fourth month until after the sixth, he had no pain. In the fifth month, he went back to the doctor who'd recommended surgery.

"He couldn't believe it," Joe said. "No cane, no pain; I was walking like normal! He insisted on taking more X-rays, and when he saw them he shook his head and told me this couldn't be happening—my 'bad knee' was still

'bone-on-bone'. He asked me what I'd done. I told him, and he just walked out of the room, shaking his head."

Joe had previously mentioned his brother's health, so I asked him again about him. Joe said the doctor had told his brother that he might be developing type 2 diabetes. "He's taking the same drugs as before," Joe said. "Apparently they haven't cured his basic problem. I keep telling him about diet and exercise and the right supplements being able to prevent type 2 diabetes and lower blood pressure and cholesterol all at the same time, because they all have the same cause—which isn't a lack of drugs! But all he does is keep telling me he doesn't have bad knees!"

Joe never returned to Tahoma Clinic. In the late 1990s, one of his children who was seeing me about bio-identical hormone treatment told me that he had died at age 87, "walking normally until the very end".

The large majority of those who use niacinamide for osteoarthritis, usually the "one gram, three times a day" amount although a few use more, achieve complete control of the pain after three to four months. A small minority has only partial relief. As documented so well by Dr Kaufman, everyone achieves a significantly greater range of motion by taking niacinamide. They usually avoid having joint replacement surgery.

One thing I couldn't tell Joe was why his brother, with all of his other health problems, didn't also suffer from osteoarthritis. A number of research studies published in 2007<sup>4</sup>, 2008<sup>5</sup>, 2009<sup>6</sup>, 2010<sup>7</sup> and 2012<sup>8</sup> all reported that osteoarthritis is a component of metabolic syndrome, the immediate precursor of type 2 diabetes.

### Nicotine, Nicotinic Acid and Nicotinamide

So how did Joe's brother escape this fate? By smoking cigarettes containing tobacco! Not kidding! But how could tobacco actually be good for anything? A little background first. In the early 20th century, when the cause of pellagra was discovered to be a complete or nearly complete deficiency of vitamin B<sub>3</sub>, the biochemical structure of the two different forms of vitamin B<sub>3</sub> was also being determined. The two were found to be so similar to nicotine (the addictive component of tobacco) that in the UK the two molecules were named "nicotinic acid" and "nicotinamide", and are still known as such today.

In the USA, the "regulators" decided that these names were unacceptable. The excuse was that many of us would think we could get our vitamin B<sub>3</sub> by smoking cigarettes! Apparently these "regulators" thought that Americans were not as smart as UK citizens who had all learned—and still know—the difference. So in the USA, nicotinic acid was renamed "niacin" and nicotinamide

was renamed "niacinamide", and both molecules are still closely related to nicotine.

But how does this explain why Joe's brother didn't develop osteoarthritis? In 2011, researchers reported<sup>9</sup> that of 11,388 men, those who had smoked cigarettes for 48 years or longer were 42–51 per cent less likely to undergo total joint replacement (TJR) than men who had never smoked. In 2013, the same team of researchers reported<sup>10</sup> on total joint replacement in 54,288 elderly men and women. They wrote: "...Compared to non-smokers, male and female smokers were respectively



40% and 30% less likely to undergo a TJR." They concluded—as they did in their first research report—that further investigation should be done into how smoking tobacco cuts the risk of osteoarthritis and consequent joint replacement surgery.

I could be wrong, but the answer seems obvious: there's enough structural similarity between the nicotine and nicotinamide (the same as niacinamide) molecules to explain the effect of both in significantly reducing the need for joint replacement surgery.

But please don't start smoking if joint replacement surgery has been recommended for you! Lung cancer, emphysema, chronic obstructive pulmonary disease (COPD) or higher risk of heart attack, anyone?

Lastly: remember that osteoarthritis has now been identified as part of metabolic syndrome (which proceeds to type 2 diabetes). As this article is very long already, we'll save for another time reviews of the benefits of vitamin B<sub>3</sub> for individuals with type 2 diabetes. ∞

### About the Author:

Jonathan V. Wright, MD, established Tahoma Clinic in 1973 in Washington State, USA, to offer nutritional and other natural therapies instead of patent medications for common health conditions. A long-time researcher, author, speaker and clinician, Dr Wright since 1983 has educated physicians in his techniques. Dubbed "The

*Continued on page 82*

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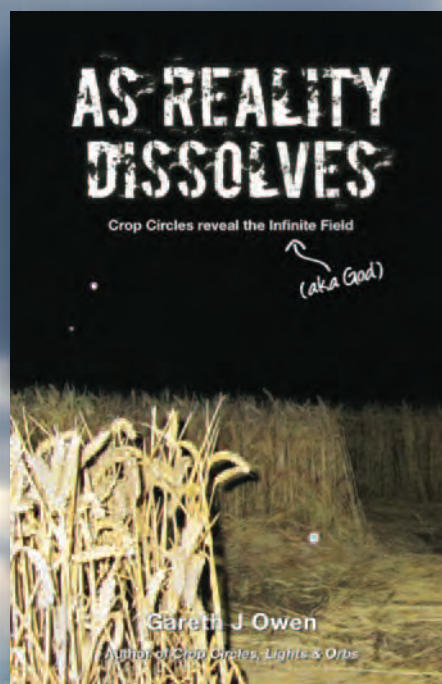
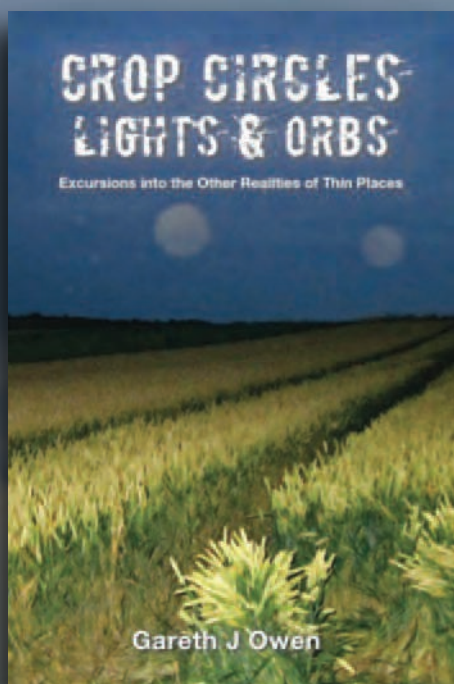
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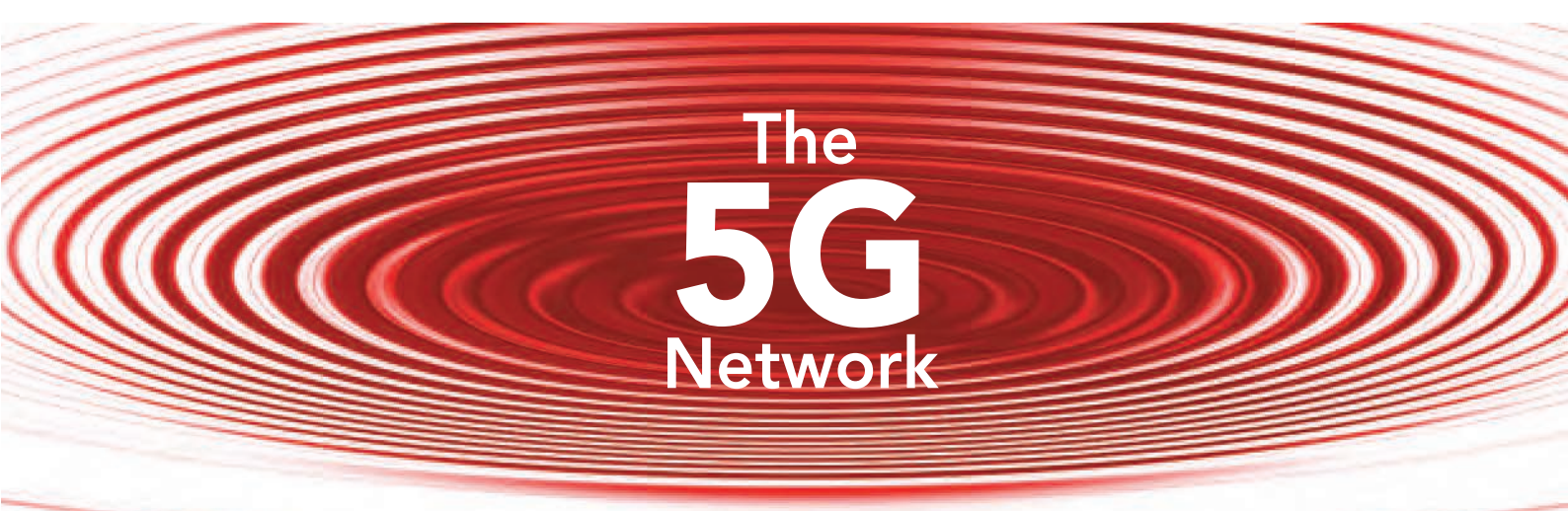


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# The 5G Network

## What You Don't Know May Kill You

by Reinette Senum © April 2017

**H**ow would you feel if you knew that an untested technology is being deployed across your country, with no government oversight, no transparency, no public input, no regulations, and no long-term studies on health and environmental impacts? How would you feel if you knew that sensors are being rolled out to be installed in everything—clothing, appliances, building materials, cars, cosmetics, toys, computers, furniture, and so on—turning our world into the Internet of Everything as components of this untested technology?

Wouldn't that be cool, living in a virtual reality where every single object and living thing is connected into a wireless global network, allowing every single thing we do to be completely monitored and controlled, and collecting every bit of data about our lives as we go about our days? Ultimately, all of this information will be sold to (and hacked by) corporations, nations and various alphabet agencies to be analysed, synthesised and made available to anyone to do with it as they please. And it's all because there's this new, untested, millimetre-wave frequency, known as the 5G spectrum, that is now being deployed throughout America, under the radar.

### My Early Years with Wireless Technology

I was actually an early adopter of wireless technology. In fact, I made a living from it back in 1990–91 when I had the first cellular phone store in Nevada County, California. It was on E. Main Street, Grass Valley, directly across from the Grass Valley City Hall, and was called Empire Cellular. It was bequeathed to me, name and all, while I was sitting at the bar of the Nevada City North Ridge Inn with my former high school buddy, Dirk McCall. He was looking for an exit strategy from the business, while I was looking for an income.

Soon after inheriting Dirk's cellular phone store, I began making a hefty profit from the business. But within a year and a half, I'd sold the business for pennies and hitched a ride to Alaska to do commercial fishing. I'd been bored out of my wits.

However, it was during that short year-and-a-half stint at Empire Cellular that I became enamoured with the cellular phone industry and became a huge advocate. Once I'd opened my doors for business, I was the local go-to person for cellular service and installation. You could find me regularly yanking out a car's dashboard components to insert a cable and pop antennas atop my

## What is 5G?

The 5G rollout was announced in June 2016 by Tom Wheeler, the then Chairman of the Federal Communications Commission (FCC), in a speech stating that unprecedented numbers of new microwave radiation frequencies will be unleashed on the public.

These frequencies within the microwave spectrum include never-before-released millimetre-wave (MMW) frequencies. They will produce *synergistic* adverse biological effects in combination with existing emission levels.

Two months before this announcement, the US National Toxicology Program study, the most comprehensive study of rats ever performed, deemed that microwave radiation causes DNA breaks and cancers of the brain and heart. The FCC ignored the scientific results and its duty as a regulatory agency and proceeded with the announcement of the 5G rollout.

### What are millimetre waves?

MMWs are the fastest, shortest, highest-intensity wavelengths within the microwave spectrum. They are specialised frequencies used in medicine to treat certain cancers. They are also used in airport body scanners, where high incidences of cancers are found in Transport Security Administration workers who operate them. All wireless microwave radiation causes biological harm, but MMWs pose *unique* biological harm. Because MMWs are short, varying in millimetre thickness, insects, plant foliage, human skin and eyes are especially vulnerable to them.

MMWs have not been safety-tested by the FCC or by any agency that supports the FCC's radio-frequency emissions safety levels.

### How will this 5G infrastructure be achieved?

The plan is to build dense placements of small-cell distributed antenna systems (DAS) on every light and electric pole in every neighbourhood and public right-of-way. No place will be safe. DAS, along with surveillance cameras on every pole, are necessary to facilitate this mass connection and collection of data. All devices will be connected to become part of the proposed Internet of Things: driverless cars, cellphones, home appliances and smart meters. Radio-frequency identity (RFID) chips will be placed into or onto every product sold and, eventually, everyone.

customers' cars. I bestowed upon my customers the merits and benefits of the growing global cellular service world. I was looking forward to the day when we had a sky full of low Earth orbit satellites, giving us superior cellular capacity in every nook and cranny of the world. Back then, I couldn't wait.

After owning the first cellular phone store in Nevada County, I was encouraged to keep an eye on the industry over the last 25 years and was waiting excitedly for its development. However, over the course of those years, the telecom industry has fallen out of my favour.

Don't get me wrong: there are many benefits to the wireless world. I'm not debating that. In fact, I must note that the irony has not gone past me that, as I write this, I'm completely dependent upon a laptop computer and a wireless modem. It's just that the 5G network is not about better and faster cell service—not even close.

## The Untested 5G Spectrum Frontier

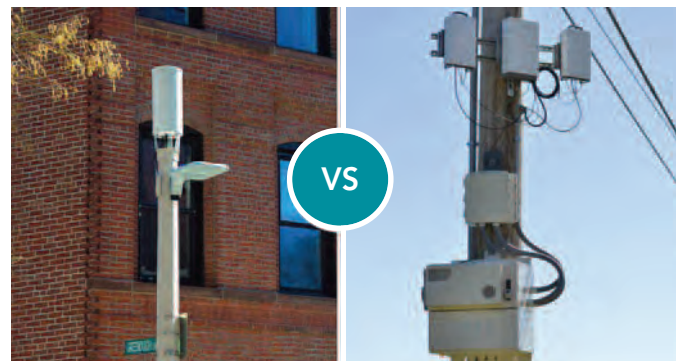
It's not what you think. It certainly wasn't what I was thinking back in 1991. In fact, I had no idea what this industry had planned for our entire planet.

This never became more apparent than during last year's press conference on 20 June when Tom Wheeler, the controversial then-Chairman of the US Federal Communications Commission (FCC) and former head of the vast lobby group, the Cellular Telecommunications and Internet Association (CTIA), proposed the unbridled, massive deployment of commercial 5G transmitters in 2020. Anticipating "tens of billions of dollars in economic activity" with US companies being "first out of the gate", Wheeler warned the American public: "...stay out of the way of technological development... Turning innovators loose is far preferable to expecting...regulators to define the future."<sup>1</sup>

Those pesky regulators: what do they think they are doing protecting the public?

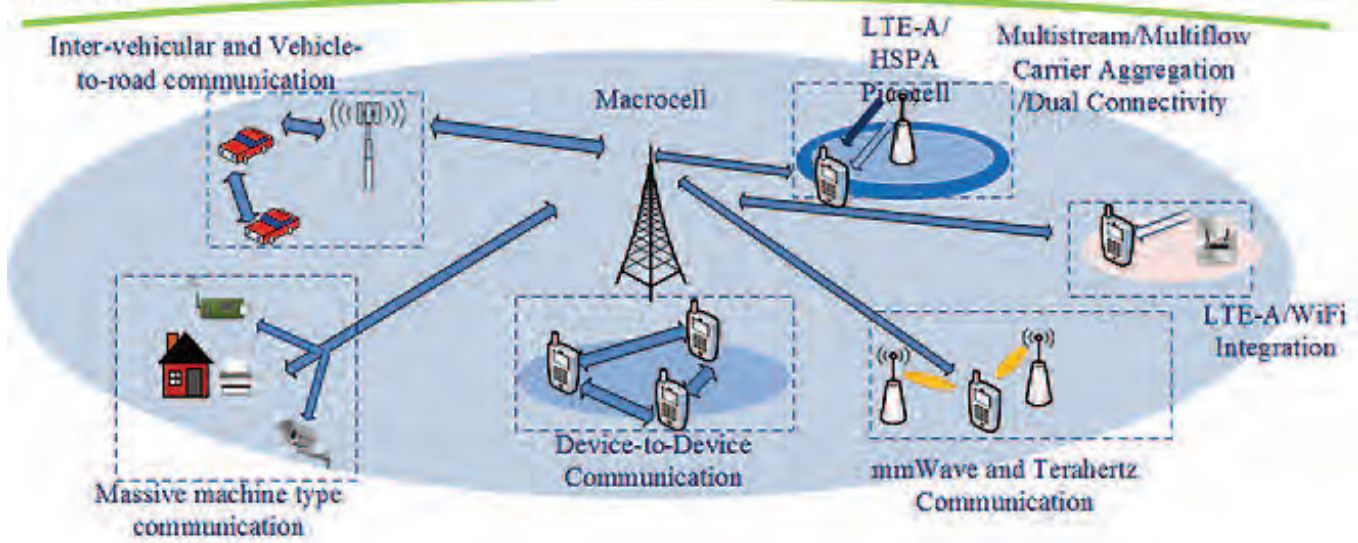
Then, with little fanfare, the FCC approved swathes of untested high-frequency networks for private-sector exploitation, ultimately setting a very dangerous trend with no mention of the health or environmental impacts, oversight or corporate responsibility.

By 2020, the telecom industry intends to cover America with over two million "small cells" installed on every lamp



300 MHz

300 GHz



A general 5G cellular network architecture

post, on buildings, power poles, basically everywhere, giving no person, bug or animal a place to escape.

In addition, those hidden "sensors" that I mentioned earlier, which will be tucked into every item that you buy off a shelf, will be monitoring, tracking and sending out signals. Scientists have discovered that the skin, our largest organ, responds to 5G, and that our sweat ducts can act as antennas and receive signals.<sup>2</sup> These sensors have *not* been tested for safety, and experts in the field expect a jump in melanoma rates around the nation.

Leading health advocates and respected scientists around the world are alarmed, to say the least.

Dr Joel M. Moskowitz, Director of the Center for Family and Community Health at the University of California, Berkeley, warns that "precaution is warranted before unleashing 5G technology on the world".<sup>3</sup>

Former US government physicist Dr Ron Powell points out that 5G "...would irradiate everyone, including the most vulnerable, to harm from radiofrequency radiation: pregnant women, unborn children, young children...the elderly, the disabled, and the chronically ill... It would set a goal of irradiating all environments..."<sup>4</sup>

## The Politics of Everything

The likelihood of your hearing about 5G technology is close to nil because that's the way the telecommunication industry wants it. It's being rolled out under the radar as much as any untested, certainly unvetted, technology possibly can be.

It was after finding out recently that the League of California Cities<sup>5</sup> had uncovered our California legislators' attempt to slip Senate Bill 649 into the consent items like a Trojan Horse, among a basket of 350 other pending California bills, that I was forced by my conscience to search even deeper into the 5G technology, coming out

the other end more and more disturbed and with many more questions than answers. I want to say this again: I have more questions than answers.

Don't count on your local newspaper to cover this. The corporate media seem to have turned a dangerously blind eye to this legislation, ignoring the threat against democracy. The bill itself was authored by California Senator Ben Hueso, one of the biggest recipients of telecom industry contributions in the state.

In the meantime, the wireless industry is pushing this through so quickly that it is ignoring the International EMF Scientist Appeal to the United Nations. As of 22 March 2017, the Appeal has received 225 signatures from 41 nations. It has been sent "...to the United Nations... to encourage the World Health Organization (WHO) to exert strong leadership in fostering the development of more protective EMF guidelines...about health risks, particularly risk to children and fetal development. By not taking action, the WHO is failing to fulfill its role as the preeminent international public health agency..."<sup>6</sup> This is only one reason why I feel that we need to slow down the expansion of the 5G wireless network.

Our health is at risk while our state representatives are allowing these corporate perpetrators to continue their deployment of unsafe technologies. Meanwhile, most of the public have no idea what is about to be foisted upon our biosphere.

We have to understand that the higher the "G" or "generation" rating, as in 1G, 2G, 3G, 4G, the more toxic this technology is. We are now entering the uncharted territory known as 5G. Microwave and electromagnetic field (EMF) exposure at the 4G level has already decreased the overall health of Americans.

Under the current 5G plan, every square inch of America (and several other nations) will be bathed and

covered in penetrating and irradiating microwaves like never before. It will be impossible to escape this.

### **Impacts on Wildlife and the Environment**

My former business, Empire Cellular, still exists and is now known as Golden Empire Cellular. It's located on Idaho Maryland Road in Grass Valley, along with Sons Development and Sierra Solar, both green businesses. And while one may associate wireless technology with the green movement, it is not part of it.

If you're an environmentalist, don't fool yourself: this technology is the antithesis of "green". Any so-called environmentalist or environmental organisation that says differently should not be trusted.

The danger to bees alone is monumental. Studies have already proven the impact on bee colonies with much older and less toxic technology. I can only imagine what the 5G network with its additional two million "small cells" installed throughout America is going to do to our food industry if the bees disappear.

## **There is enough research and enough evidence that should cause our leaders to take great pause before allowing this 5G technology to be deployed...**

Lynne Wycherley writes at TheEcologist.org: "Life's exquisite electro-physiology is still being discovered. Researchers at Bristol University reported in May [2016] that bees' hairs are highly sensitive to flowers' delicate EMFs. In controlled trials in Switzerland, bees reacted to mobile-phone signals with high-pitched 'piping': a cue to desert a hive. Other studies show that mitochondria, the tiny power houses in our cells, are at risk from our new EMFs. And that even DNA, in its delicate antenna-like structure, may be frequency-sensitive.

"The long-term, ecological implications of our new, anthropogenic radiation are not known. But peer-reviewed studies revealing harm to birds, tadpoles, trees, other plants, insects, rodents and livestock offer clues."

### **An Orwellian Future for America?**

This is a technology that has been in the making for nearly 60 years. And while there are plenty of studies, including government-funded studies, that prove the increased risk of cancer and brain tumours from this technology, there are equally as many industry-funded research studies that expel contradictory information—dangerous myths that continue to be propagated in the corporate-owned media.

Even more alarming is that the US Telecommunications Act of 1996 bans any local government from making a decision based upon negative health impacts from the

wireless industry. In other words, this is a 20-year-old gag order that was placed upon the American people before they had any clue as to what an expanded and amped-up wireless network could look like.

Meanwhile, leaders around the world are taking the harmful effects much more seriously: "...countries like Switzerland, Italy, France, Austria, Luxembourg, Bulgaria, Poland, Hungary, Israel, Russia and China have set RF [radio-frequency] exposure limits 100 to 10,000 times less than the USA. They recognize that there can be non-thermal biological effects from wireless radiation."<sup>8</sup> These nations are assuming the precautionary principle, which states that "if an action or policy has a suspected risk of causing harm to the public, or to the environment, in the absence of scientific consensus (that the action or policy is not harmful), the burden of proof that it is *not* harmful falls on those taking that action".<sup>9</sup>

For well over 50 years, scientists and industry insiders have known that microwave radio-frequency radiations, pulse-modulated day in and day out, are very toxic, particularly to pregnant women and children, and yet our leaders allow the telecom industry to continue its expansion in a completely unbridled manner, eviscerating the very protections that prevented the industry from steamrolling us in the first place.

We can expect in the future that our health will only continue to become more and more compromised, the bad effects manifesting in myriad ways. EMF sensitivity is cumulative, building up in our bodies over time and causing individuals to have great difficulty in warding off a simple flu while showing ill health in countless forms.

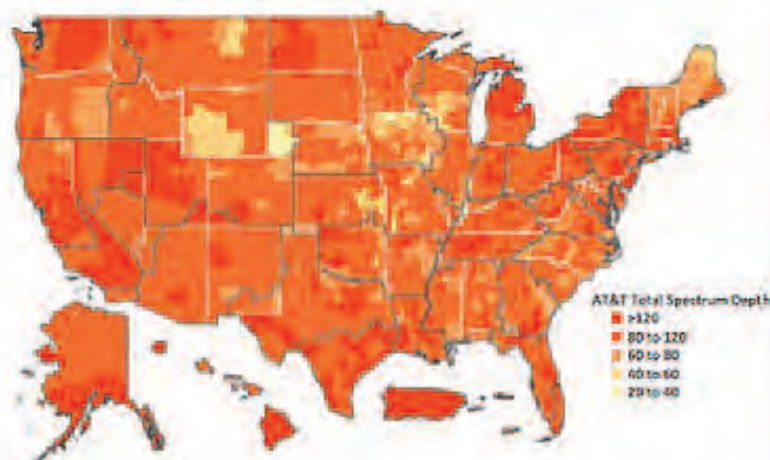
There is enough research and enough evidence that should cause our leaders to take great pause before allowing this 5G technology to be deployed in every neighbourhood across America by an industry that is unrestrained and unregulated. Once fully implemented, this technology will turn Earth into a wireless planetary cage. Its proponents intend to monitor and control everything, while compromising our health and the biosphere around us. I'm sorry if this sounds Orwellian, but that's because it is. ∞

### **About the Author:**

In 1994, Reinette Senum became the first woman to cross Alaska alone. It was during this isolated winter solo trek, which she filmed for *National Geographic*, that she learned the power of community. For the last dozen years, Senum's focus has been on building her home town, Nevada City, California, as a resilient community via creative and unconventional means. Through risk assessment, public outreach and a hands-on approach, Senum has been at the forefront of curating Nevada City towards a more sustainable, connected future. Whether as a city council member, mayor or community activist, she has developed community-changing projects such as the city-sanctioned sustainable vision, the organic

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Nevada City Farmers Market, portable micro-houses for the homeless, and the county-wide TimeBank. She has changed the conversation while reweaving community for a more challenging and unpredictable future.

For additional information and articles, visit Reinette Senum's website <https://www.thefoghornexpress.com>.

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(Source: Edited from TheFoghornExpress.com, 4 April 2017, <http://tinyurl.com/mklutwl>)

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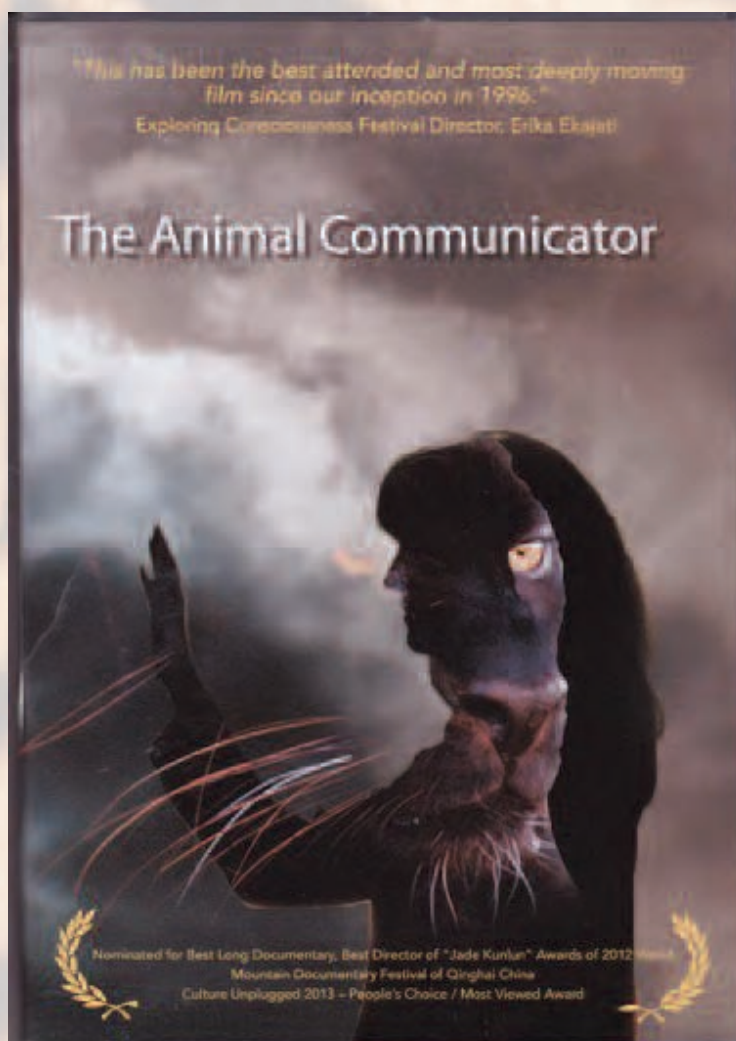
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# The 21st-Century Greater Depression



**The Goldman Sachs investment bank is at the centre of a massive conspiracy, perpetrating the fraud that is the derivatives market.**

by Paul Majchrowicz © April 2017

It was during the debacle with energy corporation Enron that I became interested in how an organisation whose business plan is based on theft can go bankrupt. The crisis peaked on 2 December 2001 when Enron filed for bankruptcy and ended on 5 July 2006 when its CEO Ken Lay died of a heart attack while awaiting sentencing for his conviction on 10 counts of securities and wire fraud.

I was well aware that many companies are forced into bankruptcy so that the executives can loot the pension plans, and that this has been an accepted business practice for many decades—out of fashion now that there are no pension plans to loot. However, the thefts were made possible by junk bonds that destroyed companies that otherwise were going concerns providing real products and services that had genuine customer bases. In other words, the executives looted the companies as well as the pension plans.

Grand theft indeed, but Enron seemed different simply because its only evident product was electricity whose

price it illegally rigged to make a fortune buying low and selling high in that manipulated energy market. In other words, this was arbitrage.

Enron was a bucket shop, and bucket shops are shut down but they don't go bankrupt. How can a successful thief have no money?

As with most mysteries, once you stop looking for erudite explanations then the answer is obvious. The bankruptcy is meant to cover up the evidence of the real crimes. That is the purpose of bankruptcy. In the case of Enron, it just didn't work.

Within modern history, all financial panics—now called depressions—have been characterised by two attributes. The first is a sudden, severe loss of liquidity; there is insufficient money to maintain the level of commercial activity. This is a condition that is usually engineered by the central bank, or a consortium of commercial banks when no central bank is in existence. Because central banks are owned and operated for the benefit of their

subscriber banks, the distinction between central bank and consortium is purely linguistic.

In any event, money is removed from circulation and the country (or the world) enters a depression which is characterised by mass unemployment. The proffered solution is always the same: *austerity*. This is a word that simply signifies a policy of reducing the rate of return on human investment (i.e., labour) to increase the rate of return on capital investment (i.e., money). This only makes the situation worse but, after all, that is the whole point of it. The purpose of the depression is not only to transfer wealth from the poor to the rich but also to provide a smoke screen for the second attribute of financial panics: it must be made to appear that depressions are the result of a mysterious business cycle over which no one has any foresight or control.

There is ample evidence that the world is now in a depression. Greece, Spain and Italy are reporting persistent double-digit unemployment rates. If the US had not changed its statistical procedures, it would have been reporting persistent double-digit unemployment rates going back to at least 2001. See the website ShadowStats.com, where the current unadjusted unemployment rate is calculated to be 23 per cent. ShadowStats.com has been reporting persistent unemployment rates of between 20 and 25 per cent for over a decade, and these figures do not include the new generation of workers who are entering the labour force but who have actually never obtained employment.

The mechanism of this depression is the withdrawing of money from circulation. This happens with the upward wealth transfer from the working class to the top 0.1 per cent. See the embedded video titled "Wealth Inequality in America" at <http://tinyurl.com/laeqmd5>. The money that goes to the top 0.1 per cent is effectively removed from circulation because these people actually spend only a minuscule percentage of their income.

The real cause of depressions is *massive theft*. The pundits claim that depressions are caused by a lack of confidence, the solution being to put the "con" back into "confidence". Less-respected observers simply note that



This cartoon by Joseph Keppler, titled "The Modern Colossus of (Rail) Roads", features magnates William Henry Vanderbilt (son of Cornelius) at centre, Cyrus West Field at left and Jay Gould at right. It was published in *Puck* magazine on 10 December 1879.

the suckers have wised up.

How this theft takes place is best illustrated by the 1968 movie *The Producers*, in which two Broadway producers realise that they have a great talent for backing losers. Since all of their endeavours are widely publicised failures, they decide to oversubscribe their next venture by 300 per cent and pocket 100 per cent each after the show fails. Once the show is a failure, there is nothing to account for and no questions are asked. The two key properties of this swindle are widely acknowledged complete failure, leading to no questions asked; the facts speak for themselves.

### Engineered Panics

The first time that this swindle was used in modern history was in the fledgling railroad industry. The US government gave the railroad companies ownership of public land adjacent to any railway that they built. The land was to be sold to finance building the railways, and then people would buy the land

because of its access to the railways, which meant that they could transport their farm produce to markets rapidly and cheaply. So the government gave the land to the railroad companies which then promptly sold the land and pocketed the money, taking it out of circulation. This gave the railroad companies the excuse for not building the promised railways. It was all due to the business cycle, and no one was to blame.

In 1866–68, Daniel Drew, who had manipulated shares in the Erie Railroad, teamed up with Jay Gould and James Fisk to issue spurious, oversubscribed shares in the company, which Cornelius Vanderbilt wanted to acquire. The more shares that Vanderbilt bought, the more shares the conspirators issued in what became known as the Erie War. Gould and Fisk, having betrayed Drew, instigated the 1869 Black Friday gold panic and in 1870 organised another rigging of the Erie Railroad stock price. Railroad magnates and industry larceny were regular features of the ensuing decades with many panics and depressions.

Fast forward, and 1929 brought an opportunity for investment bankers to oversubscribe any number of dubious enterprises with stocks bought on margin. As

people bought more and more stocks on margin, more and more money was withdrawn from circulation. The swindle was that most of these enterprises never had any chance of success, and the bankers, knowing this, oversold the authorised number of shares to be issued and then pocketed the proceeds from the fraudulently conveyed stocks. These stocks were recorded, but no certificates were issued. When the Great Depression hit, it was blamed on the business cycle. Because the failed businesses no longer existed, how many shares were issued was a moot point not to be subject to further enquiry.

In the USA at the start of the 21st century, the whole thing was repeated in penny stocks issued on "high-tech" companies that had no business plan, no history, no products, and no anything except a prospectus and a basement or garage from which the business would operate. Although margin sales were not available on penny stocks, people lost fortunes on the mostly imaginary enterprises in which they had invested. This time, the Federal Reserve did not engineer a depression. Most of the bucket shops folded and many of their operators went to prison.

### **Behind the 2008 Financial Crisis**

The current Great Depression is being engineered by the Federal Reserve, the US Department of Treasury, the International Monetary Fund (IMF) and the Goldman Sachs investment bank. Since the Fed, the Treasury and the IMF are really run by Goldman Sachs, it is best to think of them as a single entity. I have designated Goldman Sachs as the centre of this conspiracy because its executives in the past have directed and in the present continue to direct the Treasury's activities. By issuing (or refusing to issue) Treasury bonds and notes, the Treasury Department expands or limits the Federal Reserve's capacity to act. A similar relationship exists between the Treasury and the IMF.

## **...the crisis of 2008 was brought about to crash the derivatives market which had grown too large and too unstable...**

See the article "The Great American Bubble Machine" (<http://tinyurl.com/27lk7o6>), in which Matt Taibbi explains that Goldman Sachs has been involved in every bubble since the Great Depression.

The crisis of 2008 was precipitated by a run on money-market funds caused by a continued weakening of the US dollar versus foreign currencies. The dollar had dropped to \$1.50+ to €1.0. The commercial banks didn't have the funds to cover the massive and prolonged withdrawal of currency and were faced with selling assets, primarily derivatives, to raise cash. It quickly became apparent that

there was no market for these securities because no one had any idea as to what they were worth.

Derivatives are very illiquid, as became evident when money-market funds invested in them experienced a run on 15 September 2008 when depositors withdrew \$550 billion in a matter of two hours! The banks couldn't raise cash by selling their investments in illiquid derivatives, and the Federal Reserve had to bail them out with \$650 billion in taxpayers' money. The Fed stepped in and flooded the banking system with currency by purchasing the dubious illiquid assets while guaranteeing the money-market accounts through the Federal Deposit Insurance Corporation. All of this was engineered by Treasury Secretary Hank Paulson, former CEO of Goldman Sachs.

I believe that the crisis of 2008 was brought about to crash the derivatives market which had grown too large and too unstable, but that Hank Paulson did too good a job of selling the bailout and Congress decided to kick the can down the road.

### **Derivatives versus Options**

The market for derivatives grew out of the market for municipal bonds. It was recognised that all bonds could be separated into two components. The first component was the face value or the amount of money to be paid upon surrender of the bond at maturity. The second component was the income stream created by the bond as determined by the interest rate at which the bond was issued. Many years ago, these were represented by the coupons that the owners clipped (stripped) from the bonds and submitted for payment.

Brokers learned that they could purchase municipal bonds ("munis") and make a separate market for each component of the bond. Some people wanted only income and would buy STRIPS (separate trading of registered interest and principal of securities), the income stream from the bonds. Others wanted only the future delivery of a specified sum and bought TIGRs (Treasury investment growth receipts), the amount paid upon maturity of the bonds. To accommodate the needs of different buyers, various munis with different interest rates and different face values were bundled together and their combined interest streams and principal amounts were sold to different buyers. These were the first derivatives. Title and ownership were conveyed.

It is frequently believed that derivatives are a natural outgrowth of the options market. This is not true, and is part of the effort to obfuscate the actual situation.

Options are contracts to buy (or sell) a specific commodity or financial instrument, usually stocks, on or before a specified date at a specified price. The contract establishes the legal rights of the parties to the contract. Whether the contract will or will not be executed is determined by the market value of the commodity or stock prior to the expiration of the contract. However, the contracts are negotiable and can be sold at any time

prior to expiration, and the value of the contract at the time of sale is determined by the market value of the underlying commodity or stock.

The distinction between a derivative and an option is that an option is not secured by any collateral, has a short life with the option expiring in the very near future, typically 90 days or less, and is usually entered into with the expectation that it will not be exercised. Neither title to nor ownership of the commodity or stock is conveyed until the person holding the option exercises it.

A derivative is secured by collateral, has a life span of many years and often decades, and is purchased with the expectation that the funds will be delivered. Title to and ownership of a negotiable security is conveyed upon purchase of the derivative.

In the case of mortgage-backed derivatives, the collateral is the mortgages held on the properties and the derivative is the earnings stream generated by these mortgages. This is what the purchaser of the derivative buys: the future earnings from the interest payments on the mortgages.

Note that Goldman Sachs (or other banks) keep the title to the mortgaged property and sell only the interest payments on the loans. These interest payments are bundled into tranches, with the loans having similar characteristics, and are marketed based upon the creditworthiness of the "Frankenbond" created by this process. Tranches with a low probability of repayment are sold at a steep discount, creating a high rate of return. It is these tranches that can be oversold to many different purchasers with absolute certainty that the Frankenbond derivative will default. Since the Frankenbond derivative has no principal component but only the future stream of earnings, any default leaves nothing to dispute. The underlying mortgages are no longer paying interest, so the Frankenbond is in default with no collateral because only the future interest payments were conveyed.

Of special interest, it must be noted that only the people who created the derivative can determine if it is or is not in default. There appears to be no mechanism by which the purchaser can make this determination.

### The Great Derivatives Market Swindle

The CIA's *World Factbook* for 2013–14 places the gross world product (GWP) at US\$74.31 trillion. According to estimates from the Bank for International Settlements, the total notional value of derivatives contracts around the world has ballooned to an astounding \$710 trillion, that is, \$710,000,000,000,000. Other estimates put the grand total at well over a quadrillion US dollars. The "bets"

placed on the world economy are roughly 10 times the value of all the goods and services produced in the world in one year. It has been estimated that the total value of all land, property and goods on the planet is three times the GWP, or \$223 trillion.

In accounting, assets must equal liabilities. If they don't, it is evidence of some type of theft or fraud.

The argument is often made that the notional value of the bets cancels each other out. Since all bets are either winners or losers, if all bets were settled today then the winners would receive and the losers would pay out between 1.0 and 1.5 times the current market value of the entire planet. It is obvious that these bets can never be paid.

It is also obvious that many derivatives are either not secured by any underlying collateral or are secured by the same collateral used many times over. Imagine a

scheme where 100 mortgages for \$100,000 each are issued against a single house valued at \$100,000, and you can grasp the essence of cross-collateralised financial instruments. It was the same scheme used in the stock market and in consumer finance that brought about the Great Depression of 1929 and the 1930s.

The Great Depression of the 21st century is being brought about by the 2008 (and future?) bailouts of large financial institutions. These bailouts removed enough money from circulation so that there is now insufficient money to maintain a level of commercial activity sufficient to create full employment while clearing the market of accumulated inventory. The situation will continue to get worse as more money is sucked up into the households of the 0.1 per cent.

Whether the ultimate result is the slow strangulation of the economy, leading to a quasi-feudal subsistence economy, or an actual financial collapse, the purpose of this depression is to cover up the great swindle in the derivatives market. ∞

### About the Author:

Paul Majchrowicz served in the US Army from 1966 to 1968. He graduated from the State University of New York at Buffalo in 1972 with a BA in philosophy, and worked in the insurance industry until he retired in 2000. He lives in California, USA, and can be contacted by email at pmajch@gmail.com.

### Editor's Note:

This article was first posted at the DissidentVoice.org website on 21 April 2016 at <http://tinyurl.com/ltszm5k> and has been expanded and edited for publication here.



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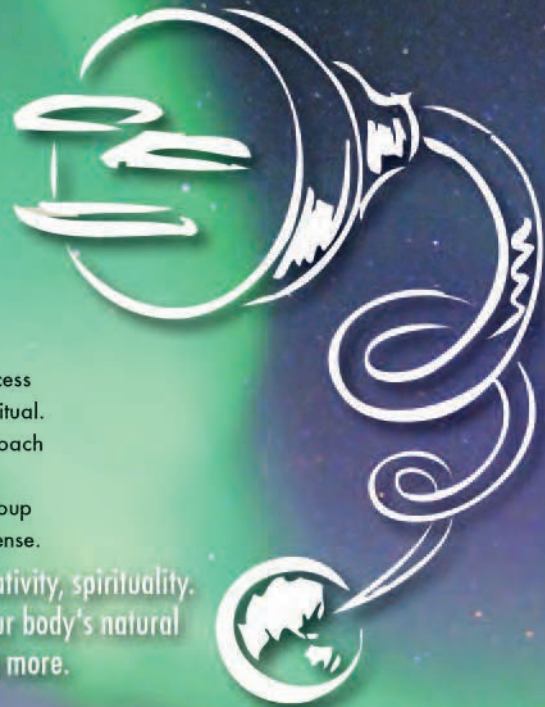
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# Peter Pan meets Pyramid Head

Image: Pixel2013, pixabay.com

## Manhattan Project Hoaxes and Legends of Long Island

by Jack Heart and Orage © March–April 2017

**T**he reality of the herd is nothing more than an aetiological myth, a story concocted in accordance with prevailing beliefs to explain how an already existing thing came into being.

The children of Abraham tell a story of how their god created rainbows as a promise after he had drowned the entire world that he would never do it again. Then they laugh at Peter Pan...

Mythology as a word itself should be struck from the English language. There are no such things as myths—only alternative realities, every one of them just as feasible and real as the other. The one that the observer experiences is dependent only on what the observer believes is real.

If Peter Pan jumps from the roof of the Empire State Building in front of you, he will no doubt end in a bloody pancake on the pavement below—but in another world, he is soaring like a drunken pigeon over Fifth Avenue.

The bloody pancake is part of your world, not his.

The herd, the mob, the unwashed masses... They are farm animals and are seldom if ever told the truth by their keepers. They believe, they graze and they bleat; they live and die by what they are told.

They are the proverbial 600 lost souls in the South Tower of the World Trade Center who were only too willing to ignore the burning North Tower right in front of them in favour of promises made by an incorporeal authority who told them on some faceless public address system that everything would be fine if they just went back to work. For them, beasts of burden that they were, death could not come soon enough, just like it did...

They are slaves, they are helots, they are technology's Shudras, conditioned to swoon at the mere mention of Albert Einstein's name. "Albert Einstein! The godlike Jew who changed the course of human history in the early 20th century!" It would all be laughable if it did not



Drs Stan Ulam, Richard Feynman and John von Neumann photographed c. 1944 at Los Alamos Laboratory, New Mexico.

contain the germ of truth.

There was a godlike Jewish scientist in the first half of the 20th century from whom proceeded everything that the human race now sees before it in the 21st century. But his name was not Albert Einstein; and besides being a Jew who delighted in telling Yiddish jokes to other Jews, he was in fact a fanatically committed "Nazi"...

### John von Neumann, a Strange Inspiration

John von Neumann had over 150 papers published in his lifetime, and each one of them would alter the course of human history; but in the end, he only had published what was necessary to move mainstream science into the 21st century. Most of what he did was top secret.

Enrico Fermi may have built the atomic bomb almost single-handedly, and Martin Bormann may have supplied the uranium-235 (U-235) when he dealt the German submarine U-234 to the Allies, but it was von Neumann who made it all work.

It was John von Neumann who designed the implosion detonation mechanism for Fat Man, the plutonium bomb that levelled Nagasaki and the one for which the Germans so conveniently had the infrared fuses onboard U-234. It was von Neumann who selected Hiroshima and Nagasaki as the targets after being overruled on Kyoto—his first choice—by US Secretary of War Henry L. Stimson. And it was von Neumann who, according to even mainstream academia, calculated the exact "heights" at which the bombs would be detonated...

In 1950, von Neumann became a consultant to the Weapons Systems Evaluation Group (WSEG). The WSEG advised America's Joint Chiefs of Staff and Secretary of Defense on the weaponisation of new technologies. After that, he was the shadow behind the government. It's been claimed that he was the inspiration for Stanley Kubrick's iconic 1964 movie character Dr Strangelove.

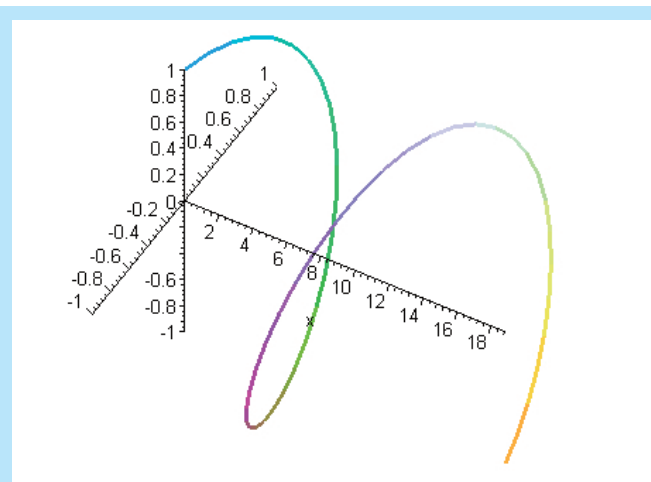
During the final stages of his illness, von Neumann was wheelchair bound, and meetings that would set the policies that are still in place today for "national security"

were often held in his home. His work was so classified that an armed contingent stood over him as he died of cancer at the Walter Reed Army Medical Center in 1957. There would be no impromptu death-bed confessions in John von Neumann's biography...

In *Mathematische Grundlagen der Quantenmechanik* ("Mathematical Foundations of Quantum Mechanics"), his 1932 book which defines quantum mechanics to this very day, von Neumann attributed the indeterminate nature of quantum physics to input from the observer's consciousness that is outside mathematical calculations. He said that the entire universe could be described as a wave function, and wave function collapse is due only to the consciousness of the observer. Among physicists, this school of thought is called the *von Neumann–Wigner interpretation*. Its wild abandonment of determinism has always had little appeal to an academia that has built its temple on the foundation of rationalism.

### Hugh Everett's Quantum Immortality

Hugh Everett III, born in 1930, was von Neumann's successor at the WSEG. Everett, just like von Neumann, was a blue blood, except that he was a loyal son of the Anglo-American Empire and his father was a lieutenant colonel on the General Staff in Europe during World War II. In 1949, Everett took a year off from his undergraduate studies to stay with his dad in West Germany. Together they took hundreds of professional-grade photographs of the technical aspects of the reconstruction, all rather



Here is a solution to the Schrödinger equation for a free particle (one with no forces acting on it, so the potential  $V = 0$ ). The y axis (the more horizontal-looking axis on the left) is the real part of the wave function, and the z axis (the other axis on the left) is the imaginary part.

As you look at this plot, the wave function goes on forever in both directions, although only a finite segment of it has been plotted.

(Source: <http://tinyurl.com/nxffgvgb>)

Consciousness is the y axis, and the x axis represents the one true God, the All and the Nothing.

strangely "almost devoid of people".<sup>1</sup>

After graduating in 1953 from the exclusive Catholic University of America in Washington, DC, with a degree in chemical engineering, Everett was given a National Science Foundation fellowship that enabled him to attend Princeton for graduate studies. There, at first, he studied game theory, a mathematics branch established by von Neumann in 1928. Game theory analyses the strategies of participants in competitive situations.

In 1954, Everett was immersed in mathematical physics at Princeton under Eugene Wigner of the von Neumann–Wigner interpretation. By 1955, he had his master's degree and began work on his dissertation, titled "Wave Mechanics without Probability", which he would finish in April 1956. A month later, he went to work for the WSEG, where he would become the director of the Department of Physical and Mathematical Sciences in 1957, the year that von Neumann died. Just about everything Everett did after that is classified.

Everett's dissertation turned theoretical physics on its head. Everett said that the wave function didn't collapse, denying the Copenhagen School its most cherished precept. What Everett said was the same thing that Erwin Schrödinger, the inventor of the equations that describe a wave function, had told physicists four years earlier at a famous lecture when he warned them that what he was about to say would "seem lunatic".<sup>2</sup> Schrödinger then went on to say that there really is no such thing as probability, and that when his equations seem to be describing several different histories they are "not alternatives, but all really happen simultaneously"<sup>3</sup>...

Back at the Empire State Building, you're looking at Peter Pancake. But in an alternative reality just as real as your own, Peter Pan is swooping down Fifth Avenue laughing at you. Peter Pan cannot die, and neither can you. This is called *quantum immortality*. Everett believed so strongly in this that he actually ate, drank and smoked himself to death at the age of 51, making a spectacle of it in front of his family and boasting to his colleagues of how satisfied he was with his life's achievements. In 1996, his daughter killed herself, asking in her suicide note that her ashes be thrown out with the trash, as Everett had insisted his should be, in the hope that she would meet up with her father in the right parallel universe.

### Satan's Great Rearing Steed

The foundational premise of Preston Nichols' infamous *Montauk Project* trilogy (co-written with Peter Moon) is the artificial production, amplification and introduction of an oscillated frequency to subjects, usually prepubescent boys with the right Nordic blood type. When seated in a chair, designed by von Neumann to achieve harmonic synthesis between the subject and the introduced frequency, the subject can project alternative realities, even beings that can interact with this reality. Wormholes can be opened up and time can be manipulated for the



The Blue Mustang statue at Denver International Airport

deployment of an army of mind-controlled supersoldiers created by secret Nazi technology.

The *raison d'être* of the project is given as the Babylon Working, the ultimate consummation of the Magick of Aleister Crowley. The whole thing was implemented after World War II under the direction of von Neumann from the Brookhaven National Laboratory on Long Island, New York. Most of the experimentation took place in a deep underground military base (DUMB) at Camp Hero, a now defunct radar station on Montauk Point, Long Island.

The first book, *The Montauk Project: Experiments in Time*, was published in 1992. Its cover features the picture of a statue of a great rearing steed with a clock on its abdomen. In the book, Nichols, claiming to be a participant himself in the experiments as a technician and as the assistant director in an alternative reality, tells his readers, without bothering to give any good reasons why, that the future can be accessed only so far before the time traveller is confronted by the statue of a great rearing steed in a landscape devoid of people.

In 1993, the New Mexico artist Luis Jiménez, Jr, was commissioned to build a 32-foot-high [9.8-metre-high] statue for Colorado's Denver International Airport (DIA) that was then under construction. The *Blue Mustang* statue would take 15 years to be completed. It looks almost exactly like the rearing steed depicted on the cover of Preston Nichols' book—the differences being that the Jiménez statue is painted blue, is minus the clock and is rearing to the full apex of its terrible height.

The airport opened in 1995, but the statue would not be finished until 2008. Jiménez was killed in 2006 when a section fell from its hoist and severed the artery in a leg. He bled out in his Hondo, New Mexico, studio, 13 years after being commissioned. His family, studio staff and two professional race-car painters finished the work. It's on display at the airport, leaving a lasting impression of dread in many of the 28 million people who pass through each year. Because of its glowing red eyes, some have taken to calling it "Devil Horse" or "Satan's Steed".

But the facts are that long before "Blucifer" fixed Peña Boulevard, DIA's main road, in the "blank and pitiless" gaze that W. B. Yeats had predicted a century before, people noticed that the runways of DIA form a swastika when viewed from the air. The dedication stone for DIA is Masonic, the art decorating its interior is apocalyptic, and its 35,000-acre area is almost twice the real-estate of America's second-largest airport. At close to \$5 billion, DIA ended up costing almost twice what it was budgeted for, was 16 months over deadline and was seemingly built in the middle of nowhere.

Rumours have surfaced, substantiated by facts like these, that the airport itself is just the external face of a DUMB that is the hub of a Luciferian conspiracy to eliminate 90 per cent of the world's "useless eaters" and bring to fruition the New World Order of Masonic dreams. Those dreams, in a seemingly taunting gesture, were carved in the granite of the Georgia Guidestones when the 1980s began...

It was Aleister Crowley himself who had given the marching orders for instituting the new reality, a reality without reality, without limitations, without rules—an "indeterminate" reality where the elect would take "strange drugs" and make love "in beds of purple, caressed by magnificent beasts of women"<sup>4</sup>, as he wrote

in *The Book of Thoth*. In *The Book of the Law*, which he wrote way back in 1904, Crowley called the Magi to war against what he repeatedly called "the old grey world":

*I am the warrior Lord of the Forties: the Eighties cower before me, & are abased. I will bring you to victory & joy: I will be at your arms in battle & ye shall delight to slay. Success is your proof; courage is your armour; go on, go on, in my strength & ye shall turn not back for any!*<sup>5</sup>

### Frequency, Resonance and a Time Machine

Karl Pribram, the founder of the holonomic brain theory and the leading light of the holographic paradigm, repeatedly pointed out that by 1906 German scientists had begun to explore the possibility that the brain works like a frequency receiver.<sup>6</sup> But even before that, experiments in wireless communication and electrical discharge—conducted in Germany by scientists like Friedrich Paschen and his successor, Max Wien, and elsewhere by Nikola Tesla, Guglielmo Marconi and others—had proved beyond a shadow of a doubt that this world in which the human race lives is nothing more than a frequency signal, and that the channel can be changed. Those experiments have never been made public. In fact, Paschen and Wien, two of the greatest experimental scientists who ever lived, have been virtually written out of history; Tesla was made to look like a quack and Marconi a spaghetti salesman.

History, because it is written by academics beholden to their sponsors and has been since the days of Herodotus, never ever tells the truth. History tells those whom it seduces what its sponsors want them to hear. That's why in the days before Christianity, when western man was still capable of critical thinking, Herodotus was called The Father of Lies. Now he's called The Father of History...

Walter Gerlach was Hitler's plenipotentiary for nuclear physics in the Reich Research Council. After World War II, he was fingered as the lead scientist in the enigmatic "Nazi Bell" experiments by soon-to-be-hanged Jakob Sporrenberg, SS Group Leader and Lieutenant-General of Police for Poland and Belarus where the experiments had taken place. Gerlach had served his apprenticeship under Paschen, and then worked under Wien in wireless communication for the German Army in World War I.

These men were all doing pioneering work with light



This strange cylinder device generated a tremendous vortex in the aetheric field by counter-rotating mercury plasma. Though many speculate that it was merely an antigravity flying device, it seems more likely to have been a primitive attempt to create an artificial "wormhole" that could pierce the quarantine barrier. Whatever its use, the Bell project and its designers vanished just before the end of World War II.

waves below the visible spectrum. They were investigating the frequencies of electromagnetic radiation emitted during transition from a higher state of energy to a lower state, the same as occurs during a gravitational redshift where time is altered. Max Wien was even experimenting with synchronising two pendulums, just like Fourier analysis is able to do on paper.

Even before the Germans got to work on their time machine, which is exactly what the Nazi Bell was, by the early 1920s they already had built a *Jenseitsflugmaschine* or "Otherworld Flying Machine" under the direction of Winfried Otto Schumann. Schumann, another of the great German experimental scientists written out of history, was Germany's answer to Tesla and perhaps the foremost expert in the world on high-voltage technology at the time. Schumann was using instructions provided by beautiful and mysterious female Magi, who told the German scientists from the Thule Society who were working with them that they were channelling the technical schematics for the ship from disembodied entities.

After World War II, Schumann was sequestered under Operation *Paperclip* at Wright-Patterson Air Force Base, Ohio, for two years, along with 220 tons of classified German papers on aviation. None of what was learned has ever been made public.

In the 1950s, Schumann was credited with discovering the Schumann resonance, a set of spectrum peaks in the extremely low frequency (ELF) portion of the world's electromagnetic field, usually around 7.83 hertz (Hz) but ranging between 3.0 and 60 Hz, contingent on worldwide lightning activity which generates it. The Schumann resonance is the pulse of the living Earth...

Starting in the early 1880s, when Heinrich Hertz—for whom the hertz unit of measurement is named—proved in the lab the existence of electromagnetic waves, there was a relentless and unbroken line of experimentation by the Germans in a herculean effort to produce higher and higher frequencies.

Wien's early experimentation led to the 1920 invention of the Barkhausen oscillator by Heinrich Barkhausen and Karl Kurz. It was the first oscillator that could produce modulated electromagnetic waves in the ultra-high-frequency (UHF) spectrum; in other words, radio. But more importantly, the Germans could now change the channel with their Otherworld Flying Machine and explore myriad invisible worlds coterminous with the one that the rest of the human race is trapped in.

In 1935, Oskar Heil, one of the few great German scientists who hasn't been written out of history, together with his brilliant Russian wife, physicist Agnesa Arsenjewa, crowned the German effort with a paper that presented



Archival photograph showing an aerial view of the road to Los Alamos Laboratory in New Mexico.

the velocity-modulated tube or Heil tube to the world. The Heil tube is able to beam electrons in bunches, allowing for the generation of radio waves at far higher frequencies than were possible with the vacuum tubes used until then. The Heil tube was the first practical microwave generator. It was crucial in the development of radar technology and is still used today.

Heil was granted several patents for "transistor-like" devices before the war. In 1947, he was "invited" to America. By the end of that year, Bell Laboratories had announced the invention of the point-contact transistor...

### From Infrared Fuses to Stealth Technology

Towards the close of World War II, America needed 50 kilograms of U-235 to achieve the critical mass necessary to detonate its atomic bomb. In a memorandum dated 28 December 1944, Eric Jette, the chief metallurgist at Los Alamos, wrote: "A study of the shipment [of bomb-grade uranium] for the past three months shows the following...: At the present rate we will have 10 kilos about February 7 and 15 kilos about May 1."

At best, America's atomic bomb would have only a little more than half the uranium required to achieve critical mass by 6 August 1945, the day it was to be dropped on Hiroshima. The same explosion could be produced using only a third as much plutonium, but the only man who could figure out how to detonate the plutonium, John von Neumann, was working with a different science than the disciples of Einstein who had built America's nuclear bombs. He would require something that only the Germans could produce.

In a deal that would convince the world that the Allies had won the war, when they had achieved a draw at best, the Anglo-American Empire's consolation prize was brought over on U-234 as part of an agreement that had been made with Martin Bormann, Hitler's right-hand

man. Among the treasures on board U-234 were the infrared fuses that were necessary to use the specially made explosive lenses designed by von Neumann to compress and detonate the plutonium core of the bomb later dropped on Nagasaki.

Along for the U-234 boat ride was Heinz Schlicke, perhaps the foremost expert alive in electromagnetic science. Schlicke had studied under Barkhausen in Germany, and his dissertation was titled "Entrainment of Oscillators and Sub-Harmonics". He would instruct the bumbling Americans on how to use the infrared fuses and, after the war, much much more, working under Operation Paperclip at the Office of Naval Research at Sands Point, Long Island. His work there involved what is now known as *stealth technology*. Considering what is known about projects *Bluebird* and *Bluebook*, *Have Blue*, *Blue Beam* and now even a *Blue Planet*, it really should just be called *Blue Technology*...

Sands Point, one of the world's wealthiest residential enclaves, is about an hour-and-a-half's drive from Montauk. But it's not even half that to the working-class neighbourhood of East Islip where Grumman and Fairchild, the military contractors who produced the *Have Blue* prototype of the stealth planes, once shared a building. During the 1980s, it was located right across Sunrise Highway from Heckscher State Park. The area around that building is where much of Nichols' narrative really took place...

## The Batcave and Beyond

If the German scientists had a team captain, it was Manfred von Ardenne, a blue blood of the highest pedigree and intellect imaginable. He received his first



Dr Heinz Schlicke (1912–2006)

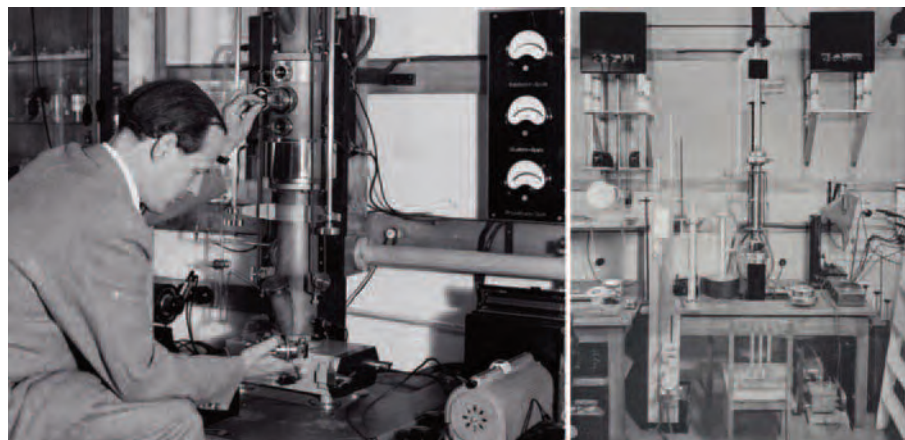
nuclear physics and high-frequency technology. It was the place to be for the most elite scientists of Germany and the former Austro-Hungarian Empire. After the rise to power of National Socialism, it was a hangout for the highest echelon of the movement—men like Hitler, Bormann and Karl Wilhelm Ohnesorge, the bagman for Germany's incredible wealth by the war's end.

From 1929, Ohnesorge was president of the *Deutsche Reichspost*, Germany's postal service, and from 1937 he served as the Minister. He was perhaps Hitler's oldest and closest confidant after Fritz Todt, the Minister for Armaments who controlled the Todt Organisation, Germany's national construction company. Todt died in a plane crash following an emergency private meeting with Hitler in February 1942. Ohnesorge was not only in control of mail distribution and National Socialism's black budget, but was slated to control the future distribution of all television sets in the Third Reich. He had an abiding interest in propagating the Nazi Party through wireless technology. He was charged after the war, but the charges were suddenly dropped with no explanation ever

given. Ohnesorge, the second most important man in Germany after Hitler, just disappeared, fading into the postwar landscape like a ghost...

By the time the Germans hosted the 1936 Summer Olympics, von Ardenne had already invented television, so the rest of Europe, still reeling from the Great Depression, could bear witness to Germany's triumphant resurrection from its gutters under National Socialism.

Von Ardenne is credited with inventing the scanning electron microscope in 1937, and his work was pivotal in physicist Ernst Ruska's development of the electron



**Left:** Manfred von Ardenne (1907–1997), photographed in 1939 with his high-resolution universal electron microscope. **Right:** The first scanning electron microscope, developed in 1937 by von Ardenne.

microscope in the early 1930s. Over his long and illustrious career, he held about 600 patents in electron microscopy, medical technology, nuclear technology, plasma physics, and radio and television technology.

After the war, von Ardenne shunned the West, going to the Soviet Union along with 300 other German scientists, including 1925 Nobel Prize in Physics recipient and fellow blue blood Gustav Hertz, the nephew of Heinrich Hertz.

Agnesa Arsenjewa moved to the Soviet Union after she and Heil had written their paper. She would never return to the West, spending the rest of her life working in secret at the Leningrad Physico-Chemical Institute, where she had parted with Heil in 1935. He had accompanied her there, and they had worked together briefly until he went back to England, where he stayed until the war broke out, when he re-entered Germany through Switzerland.

In 1953, von Ardenne was awarded the Stalin Prize, first degree, for his contribution to the Soviets' atomic bomb project, among other things. In 1954, he returned to the then East Germany where he would live, basking in the Russians' gratitude and rubles for making them the other superpower, until his death in 1997.

### Top-Secret Collaborations

The truth is, John von Neumann was a fanatically committed National Socialist and had been for all his adult life. He was a Nazi. It was such an open secret that Stanley Kubrick, the CIA's palace bard, poked fun at it in the film *Dr Strangelove*. Von Neumann received a further-education grant from the Rockefeller Foundation and was imported to the USA from Germany three years before the National Socialists took power there.

The Rockefeller Foundation was joined like Siamese twins to IG Farben, Brown Brothers Harriman and all the rest of the parasites that had latched on to Hitler as he ascended the throne of the German Empire—the same parasites that would force him to get rid of Gottfried Feder and much of National Socialism's dream.

John von Neumann positioned himself so that no one had any leverage over him. He was a purist. Money meant nothing to him, except to have a big house in which to throw parties with his friends.

The same could probably be said about another Jewish "Nazi", Dennis Gabor, who won the Nobel Prize in Physics in 1958 for inventing the mathematics that made the holograph possible. Just like von Neumann, Gabor was a Jew from an aristocratic Hungarian family. His cultural background, his field of expertise and even his lifelong interests show more than a passing acquaintance



Dr Dennis Gabor (1900–1979)

with von Neumann. They indicate just the kind of top-secret collaboration that the swarm of security people who hovered over everything von Neumann touched were there to cover up.

Dennis Gabor had a lifetime interest in self-replicating machines. His landmark 1959 lecture on "Electronic Inventions and their Impact on Civilisation" was the inspiration for the additional chapter in the 1961 edition of Norbert Wiener's *Cybernetics*, which is now considered the genesis of transhumanism. Wiener had written the rest of the book and its accompanying canon, *The Human Use of Human Beings*, a decade earlier, right after von Neumann, using only a pencil and graph paper, designed a self-

reproducing computer in 1949. Von Neumann's rigorous mathematical analysis of the structure of self-replication anticipated with uncanny accuracy the structure of DNA, discovered a couple of years later...

In 1950, the Anglo-American Empire inaugurated the next quarter-century of its extensive experimentation with gene-splicing bacteria on its own citizens when the United States Navy covertly launched Operation Sea-Spray off the coast of San Francisco. Under the cloak of national security, the navy deliberately infected not only all of San Francisco but also Albany, Berkeley, Daly City, Colma, Oakland, San Leandro and Sausalito—some 800,000 residents, many of them the most important people in the West's burgeoning defence industry. Each resident inhaled millions of the insidious endonuclease-producing bacteria that had been mutated through neutron radiation during the war by the fanatical Nazi genius Kurt Blome, who by then was working with the Anglo-American Empire...

**John von Neumann positioned himself so that no one had any leverage over him. He was a purist. Money meant nothing...**

In his 1963 book *Inventing the Future*, Gabor listed the three major threats to modern society as he saw them: war, overpopulation and the Age of Leisure. It was from this book that futurists coined the phrase, "The best way to predict the future is to invent it". In 1972, towards the end of his life, Gabor's book *The Mature Society* was published. That year, he joined The Club of Rome and supervised a working group studying energy sources and technical change.

Although in his 70s and spending most of his time in Rome, Gabor became a staff scientist at CBS Laboratories



Dr Luis Walter Alvarez (1911–1988)

in Stamford, Connecticut, where, in collaboration with his lifelong friend, Peter C. Goldmark, President of CBS Labs, he put to practical application the German electromagnetic science which Ohnesorge had intended to use to propagate National Socialism throughout all the occupied territories. It was the 1970s, and television was becoming the tool of choice to build the West's ever-expanding Zombie Empire...

Gabor was three years older than von Neumann and had fought valiantly on the side of the Austro-Hungarian Empire during World War I. After the war, he completed his studies at the Technical University Charlottenburg in Berlin, now known as the Technical University of Berlin. He wrote his thesis in 1927 on "Recording of Transients in Electric Circuits with the Cathode Ray Oscillograph". He had been analysing the properties of high-voltage electric transmission lines, and no doubt would have become intimately acquainted with the work of Schumann. Gabor's later work in Berlin with electron microscopes, plasma lamps and TV tubes would have put Gabor in von Ardenne's Batcave prior to 1933 when he went to England. An at-best duped and at-worst lying-through-its-teeth academia claimed that Gabor was "fleeing the Nazis".

Oskar Heil, following his invention of the velocity-modulated tube, was in England from 1935 until the outbreak of war, but this cannot be as easily explained as Gabor's time there. Heil was yet another blue-blooded Nordic. Like everything else that's unexplainable in academia's Nazi narrative, it's ignored. Von Neumann would have scoffed at any such "fleeing the Nazis" notion. In fact, he delighted in torturing Einstein by blasting Prussian marching music on his gramophone when they had adjoining offices at Yale in the early 1930s.

As soon as the war had ended, Gabor, relying heavily on the maths of von Neumann and of the great German mathematician David Hilbert, who was von Neumann's teacher and the architect of Hilbert space, began

publishing papers on producing images from frequency signals. By 1951, he had set forth the maths that would move Fourier analysis into Fourier windows and wavelet transforms using Gabor atoms and wavelets—a wave-like oscillation with an amplitude that begins at zero, increases and then decreases back to zero. Wavelets replace the make-believe atoms of institutionalised academia with the very real science necessary to change the channel of reality in stealth technology.

### Hidden Agendas at the AEC

There can be little doubt that Heinz Schlicke and the US Office of Naval Research at Sands Point were working very closely with the Atomic Energy Commission (AEC). The AEC had been covertly run by John von Neumann practically since its inception right after the war. In 1955, he became a commissioner and ran it openly until he died prematurely in 1957. In July 1945, the "captured" Schlicke had given a lecture to the US Department of the Navy, accompanied by a mysterious "Mr Alvarez" who acted as his handler, screening the questions.

In previously declassified communications, Alvarez had been referred to as "Commodore Alvarez". The rank of commodore only exists in the Coast Guard. Military records indicate that there was no such person serving in the armed forces at the time. The man could only have been a young Dr Luis Alvarez, perhaps America's most talented home-grown scientist at the time. He was working feverishly on the problems presented by von Neumann's implosion method of detonating plutonium. Alvarez would be credited with the last-minute invention of the infrared fuses brought over by Schlicke, and would go on to have a long and illustrious career as one of America's most lauded scientists.

In 1968, the same year that he was awarded the Nobel Prize in Physics, Alvarez led a team of 14 multinational scientists to probe the middle pyramid in Giza using cosmic-ray detection devices paid for by the AEC and developed by Lawrence Berkeley National Laboratory. The AEC not only had the devices specially built, but financed most of the expedition. Only one of the scientists was an archaeologist.

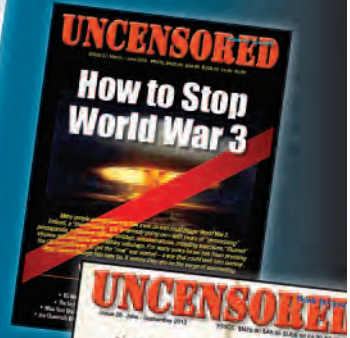
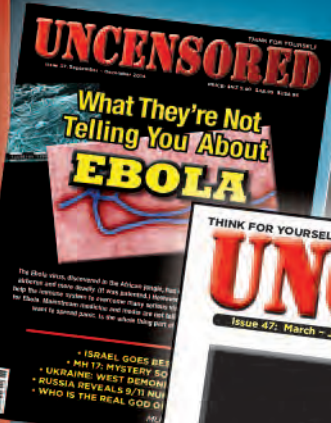
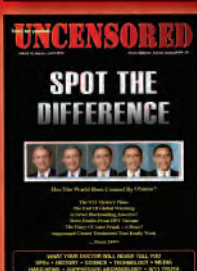
Alvarez always maintained that he had taken over a million readings and had found nothing; but in an interview with the London *Times*, Amr El Goneid of Ain Shams University in Cairo let out that the pyramid was permeated with a mysterious energy that "defied all known laws of physics". Alvarez, also notable for his take on the Zapruder film of the JFK assassination and his "meteor killed the dinosaurs" theory, accused the *Times* of making the whole thing up...

It was only the Atomic Energy Commission that truly witnessed the hypogaeum citadel that Franz Xaver Dorsch had built for Hitler beneath Ohrdruf in Thuringia, Germany. Dorsch was Todt's successor after Hitler's

[Continued on page 82](#)

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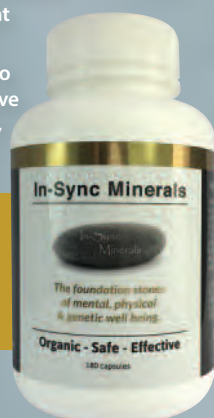
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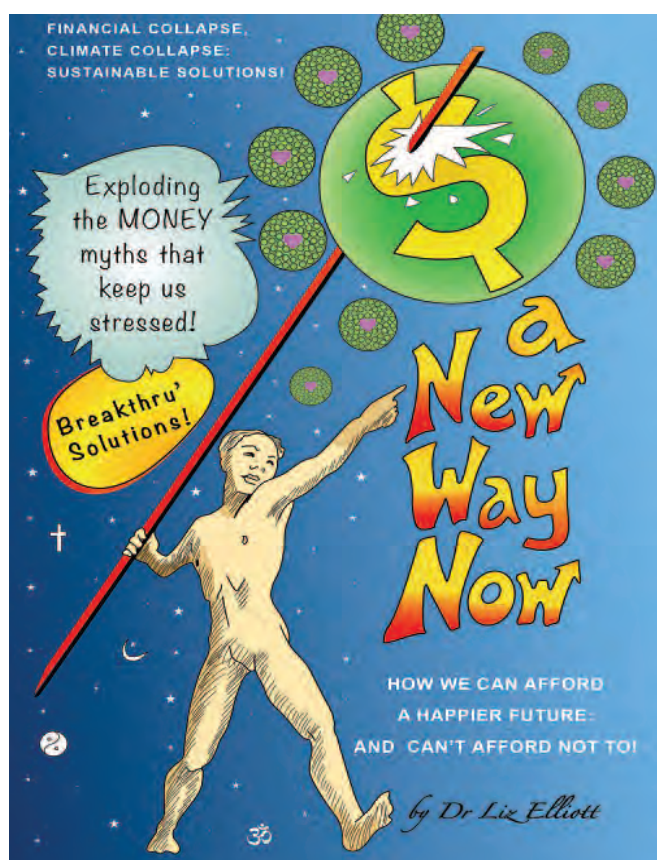


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# Science News

## UNIFIED PHYSICS AND THE INFORMATION NEXUS OF AWARENESS

by Nassim Hamein and  
William David Brown  
© May 2017

### Abstract

An analysis is made of the correlation between internal processes of the neurobiological system, which ostensibly generate the subjective qualia of experiential awareness, and the external environment, which comprises objective phenomena.

We describe a mechanism of vacuum-state correlation of quanta in the neurobiological system with spatially and/or temporally separated systems, resulting in a co-dependency of states. This is evaluated in the context of how strong correlation of the dipole moments (of charge and spin) of residues in biological polymers, such as deoxyribonucleic acid and microtubulin, are involved in the information processing of awareness, particularly memory, and are entangled across spatial and temporal domains (spacetime).

Coherent electromagnetic emissions from both water nanostructures and associated biomolecules may modulate the electronic properties and thus the behaviours of supramolecular systems, representing a significant signalling and regulatory mechanism functioning in tandem with the strong correlation of the spin and electromagnetic dipoles of polarisable structures in biological macromolecules.

Strong coherence across macromolecular structures of the biological system and extension through spacetime via entanglement resolves the "binding problem" associated with the generation of conscious awareness by the brain, as it is not only the result of supposed computational activity of neuronal networks but the integration of information from multiple reference frames across the entanglement network of spacetime. The entanglement nexus of spacetime, herein referred to as the *unified spacememory network*, emerges as a component of some of the recent elaborations of quantum spacetime architecture in the holographic mass solution to quantum gravity and unification.

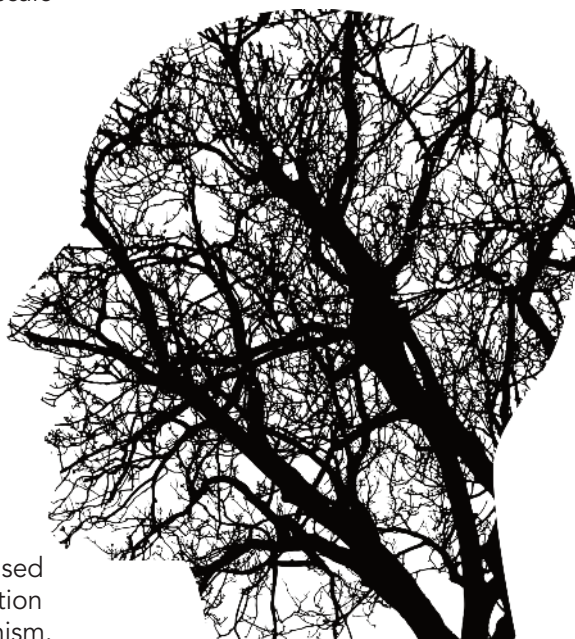
This is taken into consideration with the Maldacena–Susskind conformal field theory holographic correspondence conjecture that demonstrates the correspondence of micro-wormholes of Planck-scale dimension with quantum entanglement, resolving the *information loss paradox* and providing a physical and ontological explanation for nonlocality observed in quantum behaviour.

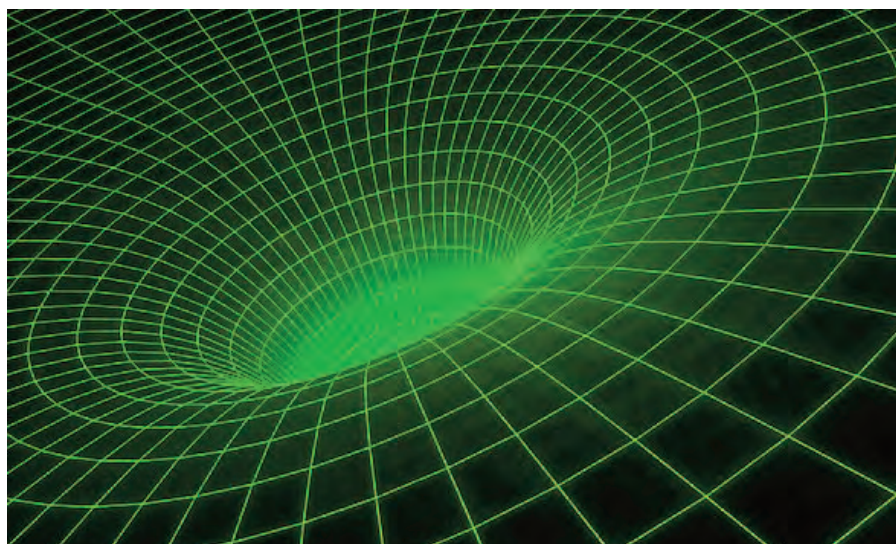
Together, these concepts describe an architecture of spacetime that is built from information and quantum entanglement through a micro-wormhole network. It is shown how the unified spacememory network is pivotal to engendering fundamental characteristics of awareness that are actively utilised in the macromolecular information systems of the biological organism.

### Introduction

An approach to the systematic description of consciousness that is fully coherent with the known processes of physics, chemistry, biology, neurology, information theory and other scientific fields has been elusive. This is exemplified in unresolved issues that have not reached a consensus of explanation in the research community, such as the "hard problem", the "binding problem" and the "subjective–objective dichotomy" of consciousness science.<sup>1</sup>

The predominant paradigm for the explanation of the mechanisms engendering consciousness has been the neurocomputational model, in which the brain is tantamount to a complex computer. In this model, it is assumed that at a sufficient level of complexity of the computational networks (consisting of myriad synaptic connections of neurons) a subjective internal





organising dynamics. It is the supposition of the authors that such "chaos dynamics" represents a prime domain where non-random influences can have significantly large effects—shaping the outcome of what is otherwise a largely unpredictable process.

The scale-free complexity associated with the biological system in general, and the neuron in particular, means that within each cell there is a veritable macromolecular brain, at least in terms of structural complexity and perhaps to a certain degree functional complexity as well—a fractal hierarchy. This means that the extremely simplistic view of the synapse as a single logic gate or digital bit is misrepresenting the reality of the situation—such that, if we were to utilise the parlance of the neurocomputational model, each "computational unit" contains a veritable macromolecular brain within it. There is no computer or human technology yet equivalent to this. Note as well that there is no mechanistic description of how the interaction of millions to billions of synapses produces a "conscious moment", perception, awareness or memory. The activity of synapses and action potentials is strongly correlated with brain processes, and therefore obviously involved with perceptive phenomena, but the *how* has not been adequately delineated. Problems in this arena are known under such monikers as the "hard problem", the "binding problem" and Cartesian duality or, as referred to herein, the "subjective-objective dichotomy" of consciousness science.

This fractal organisational hierarchy, with fractal resonances from the molecular to the tissue scale<sup>3</sup>, exhibits massive parallelism in its neuronal functional operations. This massive parallel-processing makes the brain essentially analogous to a quantum computer, and it may be literally the case when considering quantum behaviour of

experience emerges as a simulacrum of the external objective world, based on sensory inputs of the organism. While there is obviously computational-like behaviour within the central nervous system of higher animals, this is most often correlated with autonomic responses and it is not at all clear how this would result in an internal experience and the sentient awareness of the organism.

As such, the neurocomputational model has significant inability to describe some fundamental processes and phenomena of consciousness. One of the major issues involved is that the neurocomputational paradigm is far too simplistic. Attempts to reduce the synapse to a single bit (functioning as the true-false state of Boolean logic) are helpful in some regards but overlook the complexity of the biological system and this specific multidimensional structure.

For instance, it is no trivial matter that the dendritic network, from the macrocellular level to the molecular level of the pre-synaptic active zone and post-synaptic density, is highly fractal in its cytological architectonics. Subsynaptic spines are often seen forming, absorbing and reforming during learning processes.<sup>2</sup> This is accomplished through polymerisation of actin, a macromolecule with a highly fractal

architecture, already suggesting a scale-free characteristic of the complexity of the neuron and neuronal synapse in particular, where the general dendritic arborisation and anfractuous pattern of the synaptic network is recapitulated at subcellular scales and again at macromolecular scales.

The actin polymers, which give rise to synaptic structure, are connected to the cellular interior by the highly anfractuous microtubule system, microtubules being found throughout the entire cellular cytoplasm connecting various organelles and membrane structures. This supramolecular system, often referred to simply as the "cytoskeleton", is another example of how the microscale generally recapitulates the form and patterning found at larger cellular and tissue-level scales—indicating that the functionality normally attributed to the tissue-level systems may be operating across scales, down to the molecular level of the cell.

Note that this complexity of structure is not directly encoded in the genetic machinery as the proverbial "blueprint", but instead arises through epigenesis. Fractal morphologies are often a natural result of such non-deterministic epigenesis because structure is formed following unpredictable behaviours and emergent self-

the supramolecular assemblies of the cell.

As such, it may be unwarranted to dismiss the macromolecular structures within the cell, and particularly the neuron, as having no correlation with perceptive processes leading to mental activity. Indeed, because these macromolecular structures are at the scale where quantum mechanics is considered to be non-trivial, the more phenomenal behaviour associated with quantum mechanics, such as entanglement and other nonlocal phenomena<sup>4</sup>, may be involved in the "binding" process—leading to holistic brain function across myriad complex information-processing networks and entanglement of those networks with the environment—the latter resolving issues related to the "subjective-objective dichotomy" of consciousness science.

When considered with the salient explanans of unified physics so that quantum mechanical phenomena as well as spacetime geometry, particularly of quantum states, are evaluated, solutions to the "binding problem" and the Cartesian "subjective-objective dichotomy" of consciousness science are readily accessible. From this we hope to present a coherent, logical, unified and naturalistic explanation of consciousness and consciousness-related phenomena as well as the relationship of awareness to the natural evolution and development of physical systems.

While this is an heuristic approach, all of the theoretical tenets within the unified model are readily testable (falsifiable), and experiments have been outlined and will be performed. Essentially, by testing the sentience capabilities of a field-dependent artificial device and strong correlation through signal nonlocality<sup>5</sup>, the hypothesis herein will be subjected to experimental scrutiny and possible falsification. This will have direct applications to strong AI [artificial

intelligence] devices and methodologies as well as to human-to-machine technological interfaces.

### III. The Unified Spacememory Network

*It is obvious that the Copenhagen Interpretation cannot be the last word. The universe is filled with subsystems, any one of which can play the role of observer. There is no place in the laws of quantum mechanics for wave function collapse; the only thing that happens is that the overall wave function evolves unitarily and becomes more and more entangled. The universe is an immensely complicated network of entangled subsystems, and only in some approximation can we single out a particular subsystem as THE OBSERVER.*

— Professor Leonard Susskind<sup>12</sup>

In previous work<sup>6</sup>, we discussed the quantum geometry of spacetime comprised of discrete quanta at the Planck scale. The extremely large stress-energy tensor of vacuum quanta at this scale results in sufficiently strong gravitational forces such that spacetime is highly curved in a multiply-connected geometry at the

Planck scale. This quantum wormhole architecture, also known as quantum spacetime foam, which we refer to as the *spacememory network*, is directly related to the structure and behaviour of elementary particles.

Following upon the similar idea first espoused by John Archibald Wheeler in his theory of quantum geometrodynamics, particularly "mass without mass", we find that it is the extremely high energy of quantum vacuum oscillators that curves spacetime at the micro scale to a singularity, and it is this curvature that appears as physical particles. In the paper "Quantum Gravity and the Holographic Mass"<sup>13</sup>, it is demonstrated how the mass and radius of the proton are a direct result of this fundamental spacetime architecture; and in "The Electron and the Holographic Mass Solution"<sup>14</sup>, this is extended to the electron as well.

Moreover, the multiply-connected geometry that arises from this extremely high curvature and fluctuations at the Planck scale results in micro-wormhole connections between elementary particles. As described by Juan Maldacena and Leonard Susskind in their ER = EPR holographic



Noninvasive electroencephalography-based brain-computer interface enables direct brain-computer communication for training.



Illustration of the Cygnus X-1 black hole (Image: NASA/CXC/M. Weiss)

correspondence conjecture for entangled black holes<sup>15</sup>, the micro-wormhole connections between particles may be responsible for producing quantum entanglement, quantum coherence and other nonlocal phenomena. Since the same spacetime geometry of maximally entangled states is produced in solutions to black holes in general relativity, it is understood that black holes in maximally extended spacetime may have the same "Einstein–Rosen bridge equals Einstein–Podolsky–Rosen" (ER = EPR) holographic correspondence conjecture, a result that Maldacena and Susskind point out resolves the AMPS\* firewall of the information paradox. Furthermore, this correspondence is highly suggestive that elementary particles are indeed gravitational singularities, or micro-black holes, and it exhibits a type of unification between the relativistic and the quantum domains.

When considering the multiply-connected geometry of space and time at the fundamental level, and possible memory and hysteresis that arise from properties of spacetime analogous to those observed in quantum hydrodynamic analogue systems<sup>16</sup> and de Broglie–Bohm pilot-wave theory<sup>17</sup>, we refer to this spacetime architecture as *spacememory*. ∞

### About the Authors:

• **Nassim Hamein** has spent over 30 years researching connections in diverse fields of science. He is the founder of the Resonance Science Foundation and Executive Director of Research and Development at his US company Torus Tech, applying his revolutionary theories and patents to resonant technologies that have potential for positive global impact. His article "To Infinity and Beyond" was published in NEXUS 17/04. For more details and articles, visit the websites <https://www.resonance.is/> and <http://www.torustech.com>.

• **William D. Brown** is a biophysicist, theoretician and research scientist working with the Resonance Science Foundation. He develops theories and conducts experiments on the physics of complex, self-organising systems, particularly the biological system, gaining important insights with potential applications in new technologies. His article "Morphic Resonance and Quantum Biology" appeared in NEXUS 19/02. He can be emailed at [william@resonance.is](mailto:william@resonance.is).

### Editor's Note:

This article is excerpted and edited from a paper soon to be posted on the Resonance Science Foundation's website <https://www.resonance.is/> under "Research Publications". An earlier version of this paper is at <http://tinyurl.com/mgy3gne>.

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\* AMPS is named after Ahmed Almheiri, Donald Marolf, Joseph Polchinski and James Sully, authors of a 2013 paper on firewalls (see arXiv:1207.3123).

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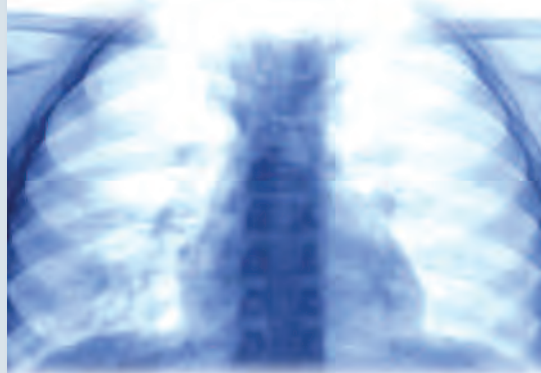


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# We, the Offspring of the 'Gods'

**An interview with Erich von Däniken**

by Rafael Videla Eissmann © March 2017

**W**orldwide best-selling author Erich von Däniken is one of the most extraordinary minds of the 20th and 21st centuries. His ideas about the visits of extraterrestrial beings in ancient times have revolutionised our perceptions of not only our history but our destiny.

Von Däniken suggested one of the most remarkable hypotheses for understanding human development: that extraterrestrial visitors arrived on Earth hundreds of thousands of years ago and initiated a genetic mutation in hominids. With this act of "creation", the species of *Homo sapiens* began.

Here I present my exclusive interview with Erich von Däniken, conducted in January 2017, in which he speaks of the most controversial aspects of our history.

### **Vestiges of Ancient Extraterrestrials**

*Are there any archaeological sites that you would consider do not belong to human culture?*

No. The people built temples and monuments to the "gods" in ancient times. Did these "gods" represent the forces of Nature? In some cases yes, but in other cases they were *real beings*—extraterrestrials—who influenced humans and started to be considered as "gods". The temples and monuments appeared out of nowhere during the Stone Age. Does it make any sense? How can they be explained?

Now, the ancient constructions were made by humans. This is what took place with the pyramids in Egypt. But where did humans get the idea to build pyramids? For all this, evolution was needed. The pyramids have a

## The visits to Earth of those unknown beings from the cosmos were recorded and transmitted through religions, myths and folklore.

– Erich von Däniken, *According to the Evidence* (1977)

complex system of underground passages and these demanded planning, which required engineering. At the time of Cheops, engineering planning didn't exist. The Egyptians' technology hadn't evolved to the stage where they could plan passages, chambers and shafts in the Great Pyramid. So somebody did the planning: the extraterrestrials. The humans did the "dirty work".

But thinking over your question, I must detour at this point. Puma Punku is a site near Tiahuanaco in Bolivia that consists of prefabricated stone structures that fit together, in a similar way to Lego bricks. These sorts of stone structures were made by extraterrestrials. Quite possibly, as far we know, this site could comprise the only remnants of extraterrestrial construction.

**What are the most significant books and sources of ancient times that refer to the extraterrestrial visitors?**

In my view, it would definitely be the Book of Enoch. The Book of Enoch is not part of the Bible. It was found some 200 years ago in an old library in Ethiopia. Then it came to England where it was translated. In parts of the Book of Enoch there are clear passages about the extraterrestrials who taught Enoch. [Erich von Däniken paraphrases the following passages. Ed.]

One of the extraterrestrials said to Enoch: "Human, look out the window. Do you see this light there? You humans call it the Moon. But the Moon has no light by itself. The Moon receives its light from the Sun." So he explained to Enoch the different phases of the Moon. Then the Teacher of Heaven said to Enoch: "Do you see this big shining light? You humans call it the Sun. But look at the other little lights there. They are all suns, too! These suns are surrounded by planets. Your planet moves around the Sun in 365 days plus some hours [because we have a leap year every four years]." All of this is scientific information!

Enoch had to learn the language of the angels, the extraterrestrials, who, when they descended to Earth, taught him not only astronomy but other fields of knowledge. Enoch wrote more than

300 books before he disappeared in a fiery chariot. Before this, he gave the books to his son Methuselah with the specific order to keep the books safe for the people after the Great Flood.

In the Bible, there is the Book of Ezekiel which describes one of the spaceships of the extraterrestrials—not a mother ship, just a small vehicle which today would be called a "space shuttle".<sup>1</sup>

Then we have in the Drona Parva, the seventh book of the Indian epic the *Mahabharata*, descriptions of these enormous ships surrounding Earth. In this we learn of structures of cities on Earth and of an atomic war where everything was burned or killed by radiation—even the children who were in their mothers' wombs! All this is in the Drona Parva.

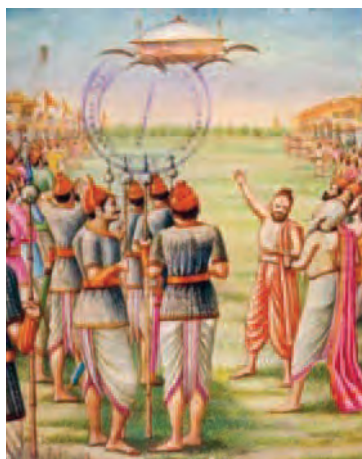
So these are some examples found in ancient literature.

**What do you consider to be the most important "palaeo-SETI" [search for extraterrestrial intelligences in antiquity] archaeological sites in the world?**

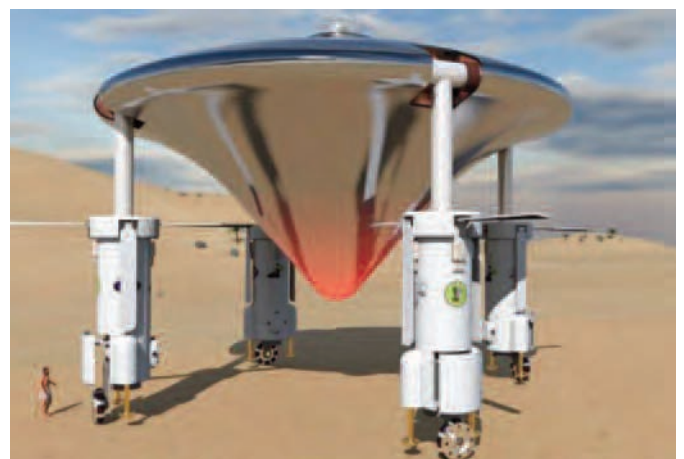
Definitely the Nazca Lines in Peru. Regrettably, television and the press always tell us a lot of nonsense about Nazca. All of these "scientific documentaries" are nothing but rubbish and lies. They do not show the real pictures of what you can see in Nazca. They do not show

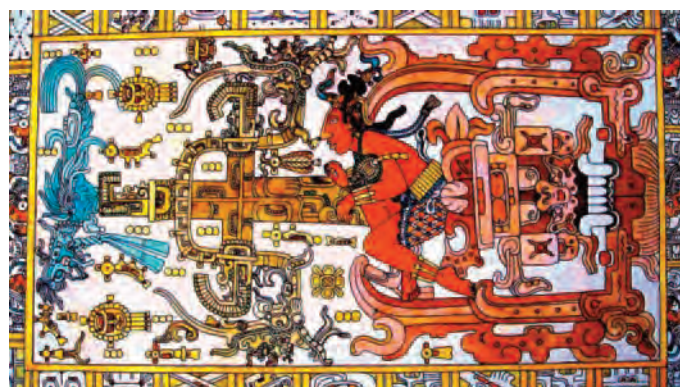


Erich von Däniken has written 40 books, translated into 32 languages, with over 67 million copies sold.



**Left:** The Pushpaka vimana or aircraft of ancient India, illustrated in 1916 by Balasaheb Pandit Pant Pratinidhi. **Right:** The vision of Ezekiel was not quite prophetic but instead described a spaceship. Former NASA engineer Josef F. Blumrich developed the design according to the description in the Book of Ezekiel.





**Left:** Some of the enigmatic Nazca Lines in Peru, photographed in 2011 by Pierre André Leclercq.

**Right:** Illustration of the carved lid of the sarcophagus of K'inich Janaab Pakal in Palenque, Mexico. Lord Pakal can be seen manoeuvring some sort of control panel inside a vehicle. Where orthodox anthropologists only see a symbolic depiction of Pakal, palaeo-SETI researchers see traces of an advanced, unknown technology of the past.

that some of the mountains are completely cut off in an artificial way! But how was this done? Thus Nazca is definitely one place to visit.

Then, of course, there's the lid of the sarcophagus of Lord K'inich Janaab Pakal in Palenque in the Yucatán Peninsula in Mexico. Lord Pakal is represented sitting and manipulating a control panel and manoeuvring inside some sort of machinery or ship. Epigraphers David Stuart and George Stuart, who translated the glyphs of the band that surrounds this representation, concluded that it shows Lord Pakal ascending into the sky.

These are some of the most significant sites in the Americas where we can see the extraterrestrial tradition.

Now, as I have said before, humans had contact with extraterrestrials. Some of the humans wanted to honour the extraterrestrials, so in their memory they constructed buildings, pyramids, temples, and so on.

In addition to this, the extraterrestrials showed the ancient Greeks, for example, specific locations where temples, one after another, should be built. They knew that these particular sites would delineate geometrical relationships across the landscape and over the waters. The extraterrestrials knew that thousands of years later, the descendants of these ancients would be able to fly aircraft and understand cartography. These descendants would then realise that over Greece there are lines and precise triangles that link the ancient temples. Becoming aware of these geometric patterns, these people would start to ask questions: "What is going on here? What is the purpose of these patterns? How could the ancient people of Greece have built temples connected in a grid pattern across mountains and seas? For what reason? Why?" Sooner or later, it would dawn on these modern people to ask: "Were our ancient ancestors visited by extraterrestrials?" So, perhaps the very patterns between these monuments were meant to lead these descendants to ask about extraterrestrials. First, though, you need a link to be able to ask the right questions.

*So is it like a far-distant future program so that people*

*would ask questions about ancient times? Is there any recognisable symbol of the "gods"?*

We are the *offspring* of the "gods". Of course, humans are the result of evolution but not *only* of evolution. Throughout history, throughout thousands of years, some of the extraterrestrials intervened in our genes. So we are not *only* humans—and I would like to reinforce this: with evolution, but not *only*. So they have interfered. That is why we are not apes any more. That is why we have developed science. That is why the Bible, among many other "holy writings", expresses that *the "gods" created humans according to their own image*. That is why in mythology we have all these figures descending from heaven and interbreeding with humans.

## Echoes of Sunken Continents

*What are your thoughts about the sunken continents of Atlantis and Mu or Lemuria?*

According to the Book of Enoch, there were mutineers in a spaceship. Some of them came down to Earth and had intercourse with humans. And one of them was Poseidon, who had children with a human named Cleito. In order to protect his family, Poseidon founded Atlantis. So the beginning of the reign of Atlantis was conceived by them. Some of the technology used was planned by Poseidon, an extraterrestrial. He was one of the mutineers who came down from the mother spaceship.

Now, concerning Mu, Lemuria, I know only legends but regarding Atlantis the history is clear. The philosopher Plato described Atlantis in every detail in his books *Timaeus* and *Critias*. He explained that the information came from Egypt, so he knew exactly what they were talking about. I am absolutely certain that Atlantis did exist. The Atlanteans were extraterrestrials.

## Ancient Knowledge

*One of the most important achievements of your work is that you've clarified that the facts described in ancient texts are not just symbolic descriptions but references*

***to real beings and events that at one point came to be considered only as metaphors. But is there any record or information of a certain group or sect that has kept not as allegorical knowledge but as real fact the arrival of extraterrestrial visitors in ancient times?***

The leaders of the Jewish community. The Jewish community from the beginning said there is a god, and that this god—the god of the Jews—had chosen them for some reason—an experiment or any other reason—and that they have always known they are different from the rest of humanity. By the way, I am not Jewish but I do know their "holy writings". The Jews believe that they are something special because their god—maybe—chose them. This religious belief is theirs. But this "god" is an extraterrestrial or part of a group of extraterrestrials.

***What about the ancient Sanskrit literature of India and records of Tibet?***

Definitely the ancient Indians and Tibetans had this knowledge of extraterrestrials, but the people today don't remember much about it. In ancient Sanskrit literature, in the Vedas for example, there are clear references to extraterrestrials. There are many pages with well-defined indications about their presence, about flying machines and how these came down, and how humans were transported from one place to another. In one of my books I have all the exact information about in which Vedas, what pages, which chapters, these descriptions appear, including of course in the Drona Parva. In Tibet there are the writings of Tandshur and Kandshur. No one knows about them. They are not in the form of books, but in the form of folios. And there, again, we find references about the Teachers of Heaven.

***It is quite important to realise, then, that this information about the ancient extraterrestrials has been kept among certain groups and in specific literature, such as that of India and Tibet. But what happened in the Americas? What was the role of the conquistadors, the missionaries and the Inquisition?***

They destroyed everything. The conquistadors came

to the Americas in the name of Jesus Christ. And in his name they destroyed the monuments and temples everywhere, as for example in Peru. All of this was described by the Inca Garcilaso de la Vega in his books.<sup>2</sup>

The conquistadors also destroyed the indigenous mythology. They tortured and killed the priests; they even killed the children of the priests in some cases. Everybody had to become Christian and accept the Christian religion. The conquistadors wanted to destroy the old tradition, but I am absolutely sure that the leaders of the Inca and those of the Maya knew exactly who the "gods" were. The "gods" would descend from the sky.

***So are you implying, then, that there was something more than the Zeitgeist in the Spanish conquest that would allow us to understand the destruction of the tradition of the "gods" in the Americas?***

Yes, because in South America you have proof of the extraterrestrials. There you find these skeletons with elongated heads. We know that in certain regions of the Americas, the people made these artificial deformations of their children's heads so they would look like the extraterrestrials, the "gods", so they should have heads like them. Some of the skulls are elongated human skulls, while others are not. Nevertheless, some of these long skulls have been genetically analysed in a university in the United States, which led Brien Foerster, director of the Paracas History Museum in Peru, to claim that the skulls' DNA is categorically not human! So we can prove that at one point in the past there were extraterrestrials in South America.

***Since ancient times there has been acknowledgment that megalithic sites have had some connection with astronomical patterns. What are your thoughts on this?***

That is what happened in Greece, in Europe. There are megalithic sites that have astronomical and geometrical patterns. For example, in Brittany, France, there are around 7,000 stones with geometrical lines, patterns and angles that were made by our ancestors but guided by extraterrestrials who knew that future generations—



The menhirs at Carnac in Brittany, France, have sacred geometrical alignments.



Beings depicted with elongated skulls or conical headdresses in antiquity have a common factor: they were considered to be gods or civilising heroes. a. K'terrnen, the Man of Light of Hain tradition of the Selk'nam of Tierra del Fuego, in the extreme south of Chile (photo by Martín Gusinde, 1923). b. Aztec representation of Quetzalcoatl as Venus (National Museum of Anthropology, Mexico City). c. Carved stone figure of Brahma from Tamil Nadu in southern India (British Museum, London). d. Statue of the Pharaoh Akhenaten from Karnak (Egyptian Museum, Cairo). e. Figurine of the Norse god Odin (Swedish History Museum, Stockholm).

thousands and thousands of years later—would realise that there is this sacred geometry. The same thing occurred in South America with ancient stone circles and stone monuments that are all linked together, and to my knowledge they, too, are connected in anthropological ways. The extraterrestrials knew that thousands of years in the future, these generations would make enquiries to seek proof of their existence and realise what happened.

*This is a very important fact because these concepts go beyond the boundaries of what most people would understand as humanity's history. You are suggesting that a certain determination began in the past in order to be understood only in the future, and once in the future it would be possible for us to comprehend what happened in the past.*

Yes, we can only realise this in the future because we have science. Without science, we would not have realised that there was a change in the genetic code. Without science, we would not have had the possibility to fly and then we would not have realised that some of these ancient stone monuments were designed with geometrical patterns. Without modern science, we would not have found anything.

But the so-called "gods" knew exactly that there would be a society of science in the future, and that this society would change the *Zeitgeist*, the Spirit of the Time. Right now we are changing the *Zeitgeist* because of the understanding we have from all these ancient temples, monuments and writings. This is an acknowledgment that we will all have in the next 10 or 15 years. The information of the extraterrestrials is in our genes. It is all decoded in our own bodies. The message is in us. Sooner or later, our brilliant geneticists will find out the

message that was laid in each and every one of us humans. This is something that cannot be destroyed.

### Cradles of Humanity

*In some of your books you emphasise that in mythical traditions humans were "created in the image of the gods". Where do you think the creation of mankind took place? In what geographical region did it occur?*

No one knows. No one knows for sure. But we do know that thousands of years ago, for example, Europe, where I live, was covered with ice. So it was the Ice Age then. Thus it would have made no sense to start there. But north and south of the Equator, between 25 and 30 degrees of latitude, it was not ice-cold but warm. All the gigantic monuments of ancient cultures started north and south of the Equator; for instance, in South America with the Inca Empire and in Africa with the civilisation of Egypt. Yet we cannot say exactly where they started. Maybe our geneticists can find out about this beginning, but until today such research has not been developed.

*The reason why I'm asking you about this is because a Hindu scholar by the name of Bal Gangadhar Tilak in his book *The Arctic Home in the Vedas*, published in 1903, established that the North Pole was the cradle of mankind. Significantly enough, in the extreme south of America, in Tierra del Fuego, the Selk'nam or Ona refer to their origin on a "white island" in the extreme south—that is, Antarctica. A similar idea about the origin of humans in Antarctica was first expressed in 1919 by Chilean archaeologist Professor Roberto Rengifo.*

I didn't know about this. It is very important and is something that must be studied.

*Regarding gods of antiquity such as Odin, Siddhartha Gautama or the Buddha, Jesus Christ and the avatars, would you consider that they have some relationship to the influence of ancient extraterrestrials?*

Somewhere there is an original apple tree, but over the course of thousands of years we humans have changed the apple tree by grafting or manipulating. In doing this, we do not need to know genetic engineering. We can simply do this by adding some different branches onto the tree. So the apple tree has human intervention despite the fact that somewhere there is an original apple tree, although we have changed its evolution by grafting. This is exactly the same thing that the extraterrestrials, the ETs, did. In history and mythology, we find that kings and heroes, half human and half divine, made peculiar cultural changes where evolution can be seen.

## Legends of War in Space

*In numerous myths and legends throughout the world, there are references to a cosmic war. Do you consider that these myths were transmitted to humans on Earth?*

In all religions, not only in Christianity but also in Judaism with the Torah, and in ancient myths there are references about a war in heaven. For example, one day an archangel by the name of Lucifer came to the throne of almighty "God" with his followers and said: "We will not serve you any more." Then "God" ordered the Archangel Michael to destroy the Archangel Lucifer and his disciples and expel them from heaven! However, we have been taught that "heaven" is a place of absolute happiness. So when you die, you go to heaven. If you are there, it means that you are united with God and filled with joy. There, all opposition or reward is impossible. Thus the word "heaven" has an incorrect translation. Instead, we should use the word "space", as there definitely was a war in space.

But even more, not only Lucifer and the Archangel Michael were part of this war because in practically every ancient mythology you have it. You find it in Greek myths with the god Zeus, the father of Apollo. Before Zeus arrived in our solar system, he had to fight in a struggle in "heaven" against Chronos. In all the myths there is a common factor: in the beginning there was a fight in heaven, a cosmic war. But "heaven", as I said before, is not heaven as a place of happiness or a spiritual place but, rather, it means "space". That is all. The "angels" were not angels. They were not beings who came down from heaven to give humans messages. The angels were extraterrestrials. We just have to change a few words in our "holy books" to change the whole

meaning in order to understand human history.

*Would you say that this cosmic war hasn't ended yet?*

Very possibly the fight is still going on out there. Quite possibly some are protecting and helping us while others are wanting to destroy us. We do not know because we do not have the scientific proofs. But yet, from literature and ancient sources of the past, we clearly know that there was a war in "heaven", in space.

## Our Cosmic Destiny

*What is the destiny of mankind?*

We have to become intelligent. We have to develop technology because we have to spread out intelligence into the whole universe. The universe is endless. We cannot imagine how endless it is. There are billions and billions of planets and billions and billions of forms of life. Some of them are not there by coincidence, because an artificial insemination took place billions of years ago. Now, the purpose of human life is to continue and, with it, to develop technology, to build spaceships and go into space, to travel through the universe and spread out intelligence into other solar systems. This is panspermia. It is cosmic destiny.

*In myths as well as in different religious traditions that you quote in your books is the idea that the "gods" will return. When do you think these "gods" will return? What would happen when that moment comes?*

*They are here already.* For the moment, they are just observing us. In my latest book, *Botschaften aus dem Jahr 2118* ("Messages from the Year 2118")<sup>3</sup>, which unfortunately has not yet been translated from German, I quote a number of high-ranked scientists, astronomers and politicians and they all clearly affirm that we are being observed. The extraterrestrials are observing and studying what sciences we have developed, what kind of religions we have, our languages, what type of bacteria there are, what kind of weapons we have. They are learning about our political systems, our

communication systems, and so on. They are learning about all these subjects and they conclude that we as humans are a religious society.

For example, among Christianity there are over 200 different Christian churches and every priest of each of these churches honestly believes, just as his believers do, that *their belief* in "God" is the true one. The same thing happens in Islam where there are different groups: some of them are fighting against each other, but yet each group inside Islam is absolutely sure that Mohamed received instructions from the almighty "god" Allah.

Now, imagine that the extraterrestrials arrive and they



Does this North American Zuni Pueblo clay anthropomorphic figure represent an extraterrestrial?

show up on television, they hold a press conference, and then we realise that it does not matter what religion we have any more, but the fact is that all we have learnt is wrong and now we lose the base on which we are standing. People would go crazy! There would be wars started. Some people would fight against the Church; others would kill the mullahs, the pope and the priests. Everything would be turned upside down. The ETs cannot let mankind—seven billion people—go crazy. They want to change the Spirit of the Time slowly. This is the process that is taking place today.

The extraterrestrials want us to understand that there were others here thousands of years ago and that they have always—from time to time—returned to Earth and that *now* we are ready to understand this time.

#### **How long do you think this process will take?**

I think in the coming 10 or 15 years this process will become clear. An example of this was in 1917 with the apparitions of Fátima in Portugal.<sup>4</sup> The so-called Virgin Mary showed herself to over 70,000 people! However, it was not the Mother Mary but an extraterrestrial! The Miracle of the Sun was witnessed by 70,000 people. There are journalists' records from that time. Of course, it was not the Virgin Mary but an extraterrestrial, yet nevertheless the time was not right as the people of that time would not have understood it. And although the pope said "It was the holy Virgin Mary", he knew exactly that this story was not true but he could not go public with the truth because the world community was not prepared. People would simply have gone into shock!

**After more than 60 years of work related to the search for ancient extraterrestrials, do you consider that you have achieved the goal of successfully spreading the palaeo-SETI concepts?**

I have tried to bring up a lot of archaeological sources and "holy books". In the meantime, I am completely certain that we were visited by extraterrestrials in ancient times. Of course, some of the sources I have used or quoted in my books have turned out to be wrong, which is normal. In every scientific endeavour there are errors. But other sources have turned out to be correct, true and verifiable. So we are in the process of changing the *Zeitgeist*. I have done my part in it, but I do not look at myself as a prophet or a hero or anything like that. I look at myself as just a normal human who is curious, and with curiosity you can obtain many answers. The important fact to know is that in the ancient past we were visited by extraterrestrials and they promised to return. ∞



Sanctuary of Fátima, Portugal

#### **About the Interviewee:**

Swiss-born Erich von Däniken has been researching the origins of humanity and the development of world cultures and civilisations for more than 60 years. The evidence that he's collected and presented in his 40 books and numerous lectures has aroused the interest of historians, anthropologists, religious scholars and the general public. His many books include *Chariots of the Gods?* (1968), *The Gold of the Gods* (1973), *The Return of the Gods* (1998), *History is Wrong* (2009), *Twilight of the Gods* (2010; reviewed in NEXUS 17/06) and *Remnants of the Gods* (2013; reviewed in 21/02).

Erich von Däniken was a speaker at the 2015 NEXUS Conference; a DVD of his presentation is available at <http://www.nexusmagazine.com>. For more information, visit his website <http://www.daniken.com/en/>.

#### **About the Interviewer:**

Rafael Videla Eissmann is an historian from Chile who has written numerous books and articles about the Antarctic origins of mankind, the vestiges and symbols of the primal civilisation of the Americas, and other aspects of Pre-Columbian cultures. His books include *The Great Flood: Myths of the Americas about the Last World Catastrophe* (2016) and *Runic Symbols in the Americas: The Return to the Ancestral Land* (2011). His articles "Forgotten Inhabitants of the Americas" and "Echoes of the Great Flood in the Americas" were published in NEXUS 24/02 and 23/05 respectively.

Rafael Videla Eissmann can be contacted by email at [ravidela@uc.cl](mailto:ravidela@uc.cl). For more information, visit his blog <http://obrasrafaelfvidelaissman.blogspot.com>.

#### **Endnotes**

1. In relation to Ezekiel, see Josef F. Blumrich, *The Spaceships of Ezekiel*, Bantam Books, New York, 1974.
2. The half-Inca, half-Spanish Peruvian historian Inca Garcilaso de la Vega (1539–1616) wrote, among other books, *Comentarios Reales de los Incas* ("Royal Commentaries of the Incas"), Lisbon, 1609, and its second part, *Historia General del Perú* ("General History of Peru"), Córdoba, 1617.
3. See Erich von Däniken, *Botschaften aus dem Jahr 2118: Neue Erinnerungen an die Zukunft* ("Messages from the Year 2118: New Memories of the Future"), Kopp Verlag, Rottenburg, 2016.
4. See the book by Catholic priest John De Marchi, *The Immaculate Heart: The True Story of Our Lady of Fatima*, Farrar, Straus & Young, New York, 1952.

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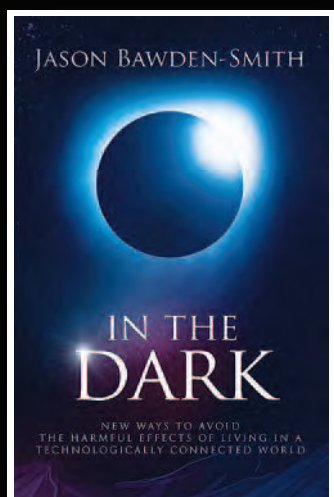
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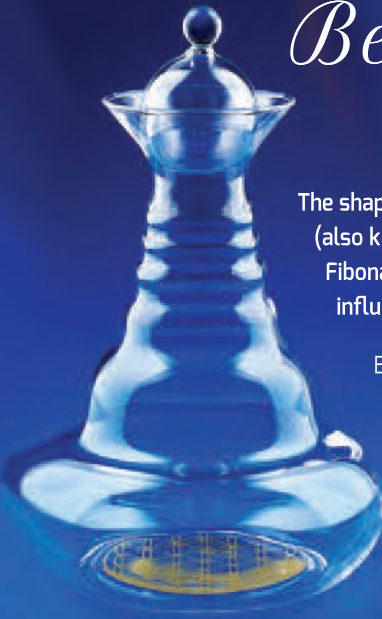


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# Denisovan Star Trails

Image: Reimund Bertrams, pixabay.com

## Archaic Memory of the Pleiades in the World's First Story

by Alistair Coombs © April 2017

### A Door in a Wall

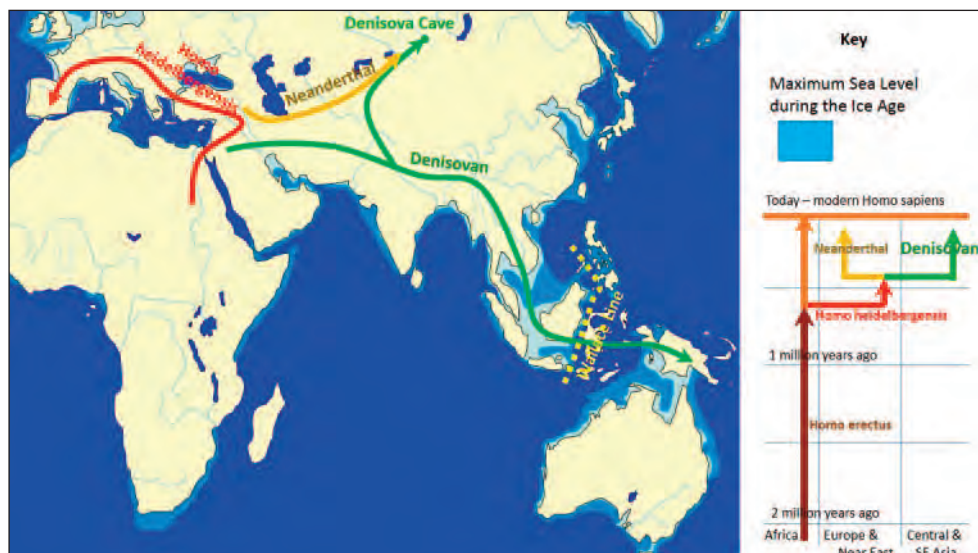
**N**uances arising out of contemporary research of the human genome begin to sound esoteric. Archives of ancient DNA teased out of fossils have revealed unknown subpopulations or "ghost tribes" of ancient human groups, species long vanished from the face of the Earth but who live on in us, their modern human descendants. The discovery of Denisovan DNA within native American, Melanesian and indigenous Australian populations<sup>1</sup> has contributed innovative sources of information to the "sat nav" of genetic migration and perhaps also to the spread of a cultural memory.

The site of Denisova Cave in the Altai mountain range of Siberia has yielded a treasury of stunning palaeo-anthropological finds including a new species of human.

Known to indigenous peoples as Bear Rock, Denisova Cave is a natural rock shelter renamed after a Christian mystic called Dionisiy, or Denis, who took refuge there.

Over the course of 2008–2016, an ornamental crystal bracelet and a bone sewing needle, both radiocarbon-dated to 40,000 to 50,000 years before the present<sup>2</sup>, were found in the cave, but in 2008 the fingerbone of a juvenile female who lived approximately 41,000 years ago was excavated there. The fingerbone belonged to an unknown human species dubbed "X-woman", now collectively called "Denisova hominin". So, who were the Denisovans of the Altai?

The big bang of evolutionary anthropology known as Out of Africa has the earliest humans migrating out of the mother continent in two major waves. The first of these has relatives of *Homo erectus* originating in Africa about



Map showing the spread and evolution of the Denisovans.  
(Image: John D. Croft at English Wikipedia)

2.0–3.0 million years ago and moving out of their home environment about 1.5 million years ago. This early interloper went on to colonise Europe and swathes of Asia, and left remnants who survived all the way up until 30,000 to 40,000 years ago.

The second wave, it is believed, comprised a new line of early humans who had evolved anatomically, were more agile and were equipped with a larger brain capacity. This new breed, which had been incubating in Africa during the grip of an ice age, spread into Europe and Asia in parallel trails to its *Homo erectus* forebear. These Europe- and Eurasia-bound hominins evolved into Neanderthals, while their Asian counterparts evolved into Denisovans. *Homo sapiens*, the anatomically modern human, is thought to have emerged 200,000 years ago after breaking off from Denisovan populations an estimated 800,000 years ago and from Neanderthals about 350,000 years ago.

Mitochondrial DNA of a profile genetically distinct from Neanderthals and modern humans that was extracted from X-woman's fingerbone, and also from a separate tooth found in the same cave, suggests that the Denisova hominins to which she belonged were a sister group to Neanderthals but had branched off as a distinct species about 400,000 years ago. Forming distinctions between Neanderthals and Denisovans remains complicated at present, since the issue is faced with sparse fossil evidence and unclarity over instances of hybrids or variations within populations rather than between them, as is the ambiguous relationship, for example, between *Homo heidelbergensis* and *Homo erectus* on the one hand and between *Homo heidelbergensis* and *Homo neanderthalensis* on the other. Broadly speaking, in terms of convenience, the Denisovans were the "Asian" equivalent of "European" Neanderthals.

At the genomic level, Denisovans have widened the

puzzle of human behaviour and evolution compared with what was allowed by the conventional model only a few decades ago, since genetic analysis shows that three-way interbreeding between the Denisovan, Neanderthal and human populations happened often. Although a few per cent of remnant DNA may sound like one or two chance sexual encounters, it indicates intergenerational breeding over hundreds of years, whereas evidence for the intermittent human occupation of this Altai cave spans a period of about 282,000 years, with Neanderthals,

Denisovans and modern humans inhabiting it at different times.

The damaged, incomplete bracelet and the sewing needle found in Denisova Cave may not appear to be an impressive legacy for a lost species, but the age of these objects overarches what was thought possible for humans at that time.

The bracelet is made of a dark green chlorite crystal and has a paler green, transparent quality when exposed to light. The material was brought to the cave from a site 200 kilometres away. The bracelet shows techniques of drilling, grinding and polishing traditionally thought to belong to a later age, such as the Neolithic. Its function is more intriguing. Considering its size and weight and that it included appendages that are no longer present, it is likely to have been worn on special, ceremonial occasions rather than on hunting trips, thus endowing its makers with a degree of symbolically mediated thought and behaviour.

The needle, which "stitches together human history", points to the production of textiles and is approximately 5,000 to 10,000 years older than the bracelet. Was it used to sew the garments that ancestors of present-day Australians, Melanesians and North Americans wore on their journeys to undiscovered lands?

## Migrations of the Denisovans

The tribes who once inhabited Denisova Cave diffused eastward to sub-Arctic North America, it is thought, via the Bering Strait and southeastward to Melanesia and Australia via routes over the Sunda Shelf. Today, both of these pathways can be characterised as "lost continents", since both of these landmasses are submerged below present sea levels. The time depth of human migration over these landmasses is hotly debated and is figured on past geological conditions and archaeological evidence.

In both instances, new findings have recently emerged which push human habitation of these lands much further back than formerly suspected.

The peopling of North America was estimated to have occurred only 13,000 years ago when Siberia and Alaska were connected by a continental land bridge named Beringia, which was exposed and traversable by foot when seawater was locked up in glaciers during the Last Glacial Maximum 25,000 to 13,000 years ago. Beringia was also passable from 50,000 to about 38,000 years ago, but this earlier date is considered too premature for human migration despite the pockets of evidence scattered across the Americas suggesting colonisation about that earlier time.

Whichever of those dates is opted for, a recent find from the Bluefish Caves of Yukon, Canada, establishes the presence of human hunters in North America a significant 10,000 years earlier than the former, more accepted, date.<sup>3</sup> This vital piece of evidence comes from the jawbone of a now-extinct Yukon horse, which shows clearly defined cut marks from when the horse was butchered using razor-sharp stone shards known as *microliths*. The butchery is not itself remarkable, but it indicates human habitation in North America, prior to that of the Clovis people, 24,000 years ago.

Seafaring migrations are negated from this picture on the assumption that people from this period did not possess the know-how of watercraft and so were unable to navigate large bodies of water.

The passage of people to the southeast and eventually to Australia was paved with the mountainous grasslands of Sundaland, the lost continent of Southeast Asia, a landmass that joined the Malay Peninsula, Borneo, Java and Sumatra and bordered Australasia before the last ice age waned and rising sea levels submerged it. However,



The Pleiades star cluster

as is the case with North America, dating the original peopling of this route is subject to extensive revision, since evidence for the inland occupation of Australia can now be placed at 49,000 years ago, adding an extra 10,000-year period to earlier models.<sup>4</sup> In a sweep of time deemed the catalyst in the emergence of the modern mind, this additional 10,000-year depth in the peopling of these continents is significant indeed.

Besides the substantial Denisovan genomic remnants found in modern descendants of these mobile groups, another tracking device of transgeographic migrations presents itself: one of an astronomic nature that oversees Denisovan routes from Siberia to North America and to Melanesia and Australia to a remarkable degree.

### Star Women of the Steppe

Could these ancient human groups have transported a cultural memory of star lore from their Siberian pastures to North America, Southeast Asia and beyond? The distribution of a myth of the Pleiades star cluster in these parts of the world suggests that this was the case. It cannot be considered coincidence that these stars are known as the Seven Sisters by natives of Siberia, North America and Australia, since this designation is not consistent with the cultures of other times and places who personified this star cluster in very different ways. This correspondence was noted a while before evidence that chronologically revises the peopling of continents and before entities such as the Denisova hominin entered the horizon. An explanation for this cluster being gendered and identified as Seven Sisters, a group moreover pursued by a male hunter or hunters, is that a system of communicable knowledge of the heavens existed before the peopling of North America and Australia.

This Pleiades analogy found in different parts of the world was articulated in 1981 by Russian palaeohistorian Boris A. Frolov:

"...mention of the American Indians' observations of the Pleiades, which they called the Seven Sisters, involves an interesting question, for exactly the same name was traditionally used for the Pleiades by the aborigines of both Australia and Siberia, and a similar image of the Pleiades is found in the mythology of ancient Greece. While it seems quite impossible to see in this fact a mere coincidence, there is room for only one supposition: observation of the Pleiades and their denotation by the image of seven sisters pre-dated the populating of America and Australia. In other words, these observations and ideas must have been formed and transmitted by nonliterate Paleolithic hunters."<sup>5</sup>

As proposed above, the fact that these stars are symbolised as Seven Sisters by the aborigines of Siberia, Australia and North America suggests there is more behind the scenes than pure fluke. Instead, it suggests an interpretation that pre-existed the peopling of North America and of Australia, one in this instance originating



*The Pleiades*, painted in 1885 by Elihu Vedder (1836–1923), from the collection of The Metropolitan Museum of Art, New York.

of Western Siberia, they are imaged as Seven Sisters in the Amur River area east of Lake Baikal<sup>6</sup> and, more significantly, by the Palaeo-Asiatic Chukchi people who inhabit the extreme northeast of the Arctic Ocean's Bering region, the former gateway to North America. For the Chukchi, Orion is a humpbacked hunter since his jealous wife (the constellation Leo) hit him for paying attention to the Pleiades women.<sup>7</sup> Though the specific domestic violence detail of the Arctic Chukchi version meets no known parallel in North America or Australia, it identifies Orion as a hunter and the Pleiades as women to support an inner Asian origin to these mythic narratives of space. The Cosmic Hunt was not confined to the heavens but was played out over the vastness of ice-age Earth in our intrepid

ancestors' discovery of new worlds.

with Upper Palaeolithic inhabitants of Siberia before its fragmentation over new lands.

When Frolov wrote his paper over 35 years ago, a shared identity of a star cluster between aboriginal groups of this period would have been dismissed against dominant conceptions that primitive Stone Agers were incapable of forming and communicating complex notions about themselves or their environment, but such views appear thick-skinned with the picture painted by new findings today.

The most popular image of the Pleiades, prosaically designated M45, which most people in the northern hemisphere are familiar with is of the seven daughters of Atlas being pursued across the heavens by the celestial hunter Orion. In the Greek star myth, the hunter Orion came upon six nymphs and their mother in a wood and, succumbing to passion, pursued them. Zeus took pity on the seven women and transformed hunter and quarry into stars. Importantly, however, as mentioned above, not all peoples of diverse times and places tinted this cluster as Seven Sisters, or as women at all. They have otherwise seen it as a group of male hunters, dogs, a sieve, a spider web, asps, a hen with chicks, jewels, a granary and a rattlesnake tail, amid other descriptions. Frolov's anomaly is therefore a noteworthy one, and more so in light of genetically apprehended tracks of migration.

Reconstructing an "original" Siberian tale of the Seven Sisters is fraught with difficulty for obvious reasons, given the enormous window of millennia, 50,000 years, and the episodic movement of people across the Eurasian Steppe over this period. Nevertheless, this cluster can be situated in an astronomic Cosmic Hunt involving Orion and Ursa Major, the Great Bear, as co-star groups, the outline of which is found in Siberia, North America and Australia today.

Although the Pleiades are depicted differently in areas

### Robes of White Feathers

Charting the distribution of a Moon/lake myth across Southeast Asia and Melanesia, British geneticist and author Stephen Oppenheimer<sup>8</sup> notes a remarkable similarity in the personification of the Pleiades as seven feathered women who descended to Earth and bathed in a lake or lagoon at night. These Asia-Pacific examples detail a waterside tryst involving a "peeping Tom" who stole a feather-clad garment belonging to one of the star women while they were bathing. Typically, a marriage between the man and the woman ensued before she eventually escaped and returned to heaven.

An account from Borneo tells of a man who lost his way at night and saw seven women bathing. He noosed one of the nymphs and took her home to be a wife for his son. The marriage went well until in a temper the son beat the woman with his jacket and another jacket then fell from heaven. The wife disappeared, yet she left her child who became the ancestor of the tribe. Another account from Southeast Borneo has seven angelic beings known as the Santang goddesses sent down from heaven by the sky god on golden broomsticks as the teachers of men.

From the north coast of New Guinea is the story of a man named Nimuk who spied seven women as they were removing their plumed dresses to bathe. In a Moon version of the tale from this region, the women were cassowaries who instead transformed into naked women when they removed their feathers to bathe—garments to which their genitals were attached. Nimuk stole one of the downy skirts and found that he could use it to hunt at night by placing it in a bamboo tube. His brother misused the torch and the lunar light escaped from the bamboo back to the sky by climbing a breadfruit tree.

In a version from Vanuatu, the god Tagaro had winged

women sent to Earth from heaven. As they swam in the sea, their wings were hidden by a group of men. In this instance, only one of the women made it back to the sky.

The Austronesian Yabobs of Madang, Papua New Guinea, credit their pot-making skills to the teaching of Honpain, a beautiful woman from the Pleiades. She came to Earth in a canoe and lived secretly with a Yabob man, but returned to the stars following a family dispute.

Oppenheimer, who suggests that Pacific cultures fertilised those of the ancient Near East or, rather, those in exodus from the retreating shorelines of Sundaland, draws a compelling parallel between these Melanesian Seven Sisters tales and the story of Moses meeting the seven daughters of Midian by the water. Several of these Melanesian tales of female educators from the stars combine themes of the Moon and the seven days of the lunar week.

From Java is the story of the Moon goddess Nawang Wulan, which has a parallel with the myth of ancient Greek goddesses being caught without their clothes on. It tells of the Moon goddess who descended to Earth in a cloak of swan feathers, which she discarded when landing on the waters of a lake. As she bathed, her cloak was stolen by a cunning man. With no means of returning to the sky, she married him and they had a daughter. The stranded goddess generated rice for the household with a magic pot, which the man was forbidden from looking inside, but overcome with curiosity he looked inside to see only one grain of rice.



An artist's impression showing the Kiowa tribe's myth about the rise of the Mateo Tipi rock formation.

The woman lost her powers but regained her cloak and remained with her husband and daughter during the daylight hours, returning to the sky at night. Java and Bali share a comparable story of seven heavenly bathing women, one of whose cloaks was stolen by a man and hidden in a rice granary.

An echo occurs in Japan with the story of a fisherman who found a robe of white feathers on the shore. After he picked it up, a shining female emerged from the sea, begging him to give back the robe so she could return to the Moon.

Another account from Borneo, which has bearing on menstruation, tells of a virgin who descended from heaven into water in the form of a mangrove. A floating tree turned into a man who married the virgin on a rocky island, a union which produced seven floods of blood from the goddess, which begat more virgins and creatures of omen.

Though some Melanesian stories mix themes involving seven more generally, seven being an important number within Pacific megalithic cultures and which appears to reference the lunar week and the mysteries of woman, fertility and fecundity, the character of the Pleiades as seven women able to turn into birds remains succinct.

## Great Bear Legends

Mateo Tipi, Bear House or Bear Tower as it is known indigenously, later renamed Devil's Tower under Christian settler influence, is a natural monolithic rock formation that is part of the Black Hills, soaring 1,267 feet (386 metres) above the Great Plains of Wyoming in the USA.

It is not by accident that this unusual-looking turret was a backdrop in Steven Spielberg's 1977 sci-fi classic of extraterrestrial visitation, *Close Encounters of the Third Kind*, in addition to gracing the packaging of *Starry Night* software, as the atmosphere it radiates is of the alien and unfamiliar. Long regarded as a spiritual site and cosmic *axis mundi* of the landscape, the place is said to house entrances to subterranean passages leading to caves used for the incubation of dreams.

Perhaps the most famous mythic event to transpire at Mateo Tipi, indeed one which appears to have shaped its name, is that of the seven star girls who were chased up its summit by a pack of grizzly bears. It is related that before moving south for winter, the migratory Kiowa tribe settled by a stream. One day, a group of girls left camp and went playing in the woods, catching the attention of some large bears. The girls ran back to camp with the bears close behind. As the pack closed in on them, the girls leapt onto a platform of rock three feet high and prayed to its spirit to save them. The rock began to grow, and rose higher and higher into the air as the bears made jumps at the girls by clawing at the rock—lending the fluted tower the appearance of having been scraped. Rising ever higher, the rock pushed the seven girls into the Pleiades where they remained.



Devil's Tower in Wyoming was declared a US National Monument in 1906.

The site is of importance to the seven tribes of the Sioux nation as it marks an encounter between the ancestors and a cosmic being known as White Buffalo Calf Woman, an emissary of a supreme Wakan Tanka or Great Mystery. In addition to sacred gifts, she brought with her rituals for tribe-uniting ceremonies. A Sioux legend also tells of a warrior who went there with a buffalo skull to pray to the spirit of the site. After worshipping for two days, he found himself at the top of the towering rock. Troubled as to how he would ever get down from its high peak, he fell asleep and found himself again at the base but standing at the entrance to the secret cave of a giant bear. Though the Sioux trace their origin to the Seven Sisters and modern medicine men speak of star people coming to Earth from this cluster<sup>9</sup>, they do not always identify these people as women.

The Arapaho revere both Mateo Tipi and the Pleiades, its brightest visible member being Alcyone, although they characterise the cluster as comprising five brothers and two sisters.

Another alternative is an Inuit legend which relates that in early times a great bear threatened the people and was chased into the sky by a pack of dogs. As the Pleiades, these dogs still pursue the bear through the heavens.

Clearly, the plot of the Cosmic Chase is modified by the agendas of different times and places, with hunter and hunted occasionally switching roles although sometimes keeping their primordial identity, as this account of Noah's Flood specifies:

"Now the deluge was caused by the male waters from the sky meeting the female waters which issued forth from the ground. The holes in the sky by which the upper waters escaped were made by God when he removed stars out of the constellation of the Pleiades; and in order to stop this torrent of rain, God had afterwards to bung up the two holes with a couple of stars borrowed from

the constellation of the Bear. That is why the Bear runs after the Pleiades to this day; she wants her children back, but she will never get them till after the Last Day."<sup>10</sup>

As with the Seven Sisters, we can be assured of an immense antiquity behind the identification of the constellation Ursa Major as a bear. In the northern hemisphere, the constellation's "prowling" motion about the pole could be perceived as activating the sky and churning heaven. As mediator of the realm of ancestors, this beast was a formidable spirit animal on the ground, and the veneration of bear skulls has been attested to since vastly ancient times. We recall the indigenous name of Denisova Cave as Bear Rock and the labyrinthian dream cave interior of Mateo Tipi's namesake Bear House or Bear Tower. Adding to this theme, a site in the Swiss Alps known as Drachenloch or Dragon's Lair, excavated from 1917 to 1923, was discovered to house a Neanderthal bear altar. Inside a limestone chest were the skulls of seven bears, which may have had an astronomic orientation of some kind since their muzzles were found facing the opening of the cave.<sup>11</sup> These ritual remains are dated to approximately 75,000 years.

With this in view, what far-off level of palaeohistory are we prepared to give these North American star myths of the Seven Sisters and their celestial chasers? Were these the stories of extinct ancestors? Considering recent evidence amending previous theories of migration, it would not be unreasonable to propose that the identities of these characters and their surrounding traditions stem from very deep, archaic sources of observation.

### Seven Sisters of the Dreamtime

Different Aboriginal people across Australia use various names and descriptions in their Pleiades depictions, of which they possess rich traditions. The particulars of the myth in which they are packaged nevertheless remain consistent despite the fact that the people who observe them occupy diverse environments such as deserts and the shores of lagoons.

According to indigenous author Munya Andrews<sup>12</sup> from the Kimberley region, the Adnyamathanha of South Australia know the Seven Sisters as the Magara. The Bundjalung people of northern New South Wales name the sisters Meamai or Maimai. In Western Australia, the Walmadjeri call them Gungaguranggara. To the Kulin of Victoria they are known as the Karagurk, seven women who "carried fire at the end of their digging sticks".

As the Magara, the Seven Sisters were pursued by dog-men, known as the Wanjin, from the Orion constellation. It is said that when the Magara were hiding from them, the Wanjin lit fires to scorch their wings to ensure an easy capture. The pursuit transferred to the heavens and continues to play out where the Pleiades reach the safety of the western horizon before Orion. In a comparable story, Manbuk (Orion) becomes enamoured of one of the seven women. In an event that somewhat echoes the

feathered robes of the Melanesian stories, she shed her shiny skin as if an heirloom of her cosmic ancestry when the hunter attempted to catch her.

Pursuers can also come from the opposite side of the sky. In one legend, the Seven Sisters were trailed by their father Dunia, a sexual predator who was transformed into a crocodilian monster identified with Antares in the Scorpio constellation. Another version tells of a hunter named Karambil who fell in love with one of the sisters. Due to a tribal code, he was prevented from having sexual relations with the star woman so he abducted her instead. She eventually escaped captivity and Karambil became the star Aldebaran in the Taurus constellation, stalking the sisters across the heavens.

In the tale of the Wati-Kutjara or the "two brothers" of western territories, the Moon joined the hunt. Kidilli, the Moon, was making the star women bleed before being apprehended by the Wati-Kutjara, the constellation of Gemini, who informed him not to chase but to marry along proper lines. Besides the menses element, the meaning here is obscure.<sup>13</sup>

Another version has two of the Seven Sisters spied upon and abducted in a plot involving the theft of their digging sticks by Wurrinna, an old man. Wurrinna had gone out in search of game in a strange territory and encountered the otherworldly women by their campfire. The two sisters escaped upon expanding trees back to heaven but shone less brightly than their companions, since Wurrinna's embrace had melted their icicles or celestial skin. As a wandering hunter who pursued the star women, Wurrinna most closely matches Orion of Greek legend. Indeed, the late British psychologist and author Stan Gooch, who noted this remarkable similarity between Aboriginal Australia and classical Greece, was convinced that Wurrinna was a Neanderthal predecessor to Orion, and that the name Wurrinna was an actual Neanderthal word.<sup>14</sup>

Besides the baseline of genetic markers, establishing cultural links between North America and Australia from

a Siberian starting point at timescales we are considering presents obstacles in the absence of writing systems or other artefacts dating to anywhere close to these periods. But this does not prevent the preservation of cultural memory in other forms. Interesting is the claim of some present-day Siberian shaman-masters that Australian Aboriginal elders know of Lake Baikal and pray to it!<sup>15</sup> Sadly, however, knowledge of the sacred geography of Lake Baikal doesn't seem to have been uttered by native Australians.

### A Common Heritage?

The shared knowledge of the seven star women of the Pleiades between these groups, however, presents a compelling anomaly. Clearly, there has been a diffusion of the myth rather than separate origins, one that in this instance closely reflects genetic migration trails.

The movement of the heavens displaying constellations that "chase" others is one thing, but why would the specific image of seven women be attached to a fuzzy patch of fourth-magnitude stars amid literally countless alternatives? Tribal traditions that speak of contact with ancestral beings from this cluster aside, there is nothing that suggests these stars to be women and their enumeration of seven is not perceived by all stargazers.

A 50,000-year period for transportable stories of the stars may appear astounding, far out of sight and before anything we could relate to as modern humans, but, given the widening holes in the maps of conventional prehistory from these regions, it may not be that far off the mark. ∞

### About the Author:

Alistair Coombs undertook study in ancient religion and archaeology at the University of London and is currently completing his PhD at the University of Kent, UK, on the image of fire within Buddhist consciousness. He is also

[Continued on page 84](#)



Indigenous people from the Amur River area east of Lake Baikal in Southern Siberia, Russia, have a Pleiades Seven Sisters legend that is similar to star myths of the Aboriginal Australians and ancient Greeks.



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# Strange Times...

## CHAN BUDDHIST MASTER'S UFO SIGHTINGS IN 1884

This UFO encounter is sourced from the autobiography of Hsu Yun (also spelled Xu-yun), a famous Chan Buddhist Master. Chan is often described as Chinese Zen Buddhism, and Hsu Yun is considered to be one of the most influential Chan Buddhist teachers of the 19th and 20th centuries. He was born in China in 1840 and died in 1959 at 119 years of age.

A *Pictorial Biography of the Venerable Master Hsu Yun* can be found at <http://tinyurl.com/h3t6h6d>. His autobiography, titled *Empty Cloud*, is available as a pdf at <http://tinyurl.com/hrx89cz>.

In *Empty Cloud* (p. 48), Master Hsu Yun recounts the UFO sightings that he had in 1884:

*...At the end of the Great Prayer Meeting, I climbed the Da-luo Peak, where I paid reverence to the "wisdom lamps" said to appear*

*there. I saw nothing the first night but on the second, I saw a great ball of light flying from the Northern to the Central Peak, where it came down, splitting a short while later into over ten balls of different sizes. The same night, I saw on the Central Peak three balls of light flying up and down in the air and on the Northern Peak, four balls of light which varied in size.*

Another mention of the "wisdom lamps" is in the *Pictorial Biography*:

*The Master bowed to the Wisdom Lamps on top of Ta Lo Mountain.*

*People often came to this spot to witness what fortune they might.*

*At first there was nothing unusual, but then they all appeared:*

*Large ones, small ones, and in between—each fireball was unique.*

(Source: OpenMind.tv, 10 June 2014, <http://tinyurl.com/zxnvnd>)

## ALIEN ABDUCTION EVENT DESCRIBED IN 500-YEAR-OLD CHINESE MANUSCRIPT

According to researchers in China, a Chinese manuscript made available to the public in 2011 details an alien abduction experience that took place nearly 500 years ago.

The text, written in 1528, describes a mysterious "star" that crossed the sky, moving from east to west. This "star" descended in the vicinity of a village near mountains.

One of the village's inhabitants, intrigued by this light, went to investigate. The man, who was a stonemason, later described this light as being a disc-shaped object as big as a house, covered in brilliant colours and unlike anything he had ever seen in his life.

On approaching the object, the man fainted. He woke up in a cold, strange place that was illuminated by an unusual red hue. Even though he could still see the Sun, Moon and stars, he could see no buildings or people near him, only strange creatures with round faces and three eyes instead of two. According to the abductee, the beings wore peculiar-looking clothing and spoke a language that he could not understand. Then he passed out again.

When he regained consciousness, the abducted stonemason found himself back at his home. Although he felt that his time away had passed quickly, he found out that he had been absent for an entire year.

The person who wrote this incredible account had visited the man. During the meeting, the



Chan Buddhist Master Hsu Yun (1840–1959)

abductee showed him a red scar on his chest. The author swore that the account was authentic.

The description of the mysterious UFO abduction was discovered in a manuscript collection gifted to China's Ministry of Culture. After experts had verified the manuscript, the Ministry published it as a book. It includes the journal of an ancestor in the Ming dynasty about 500 years ago. The text that records the abduction is found on one page of over 500 pages which describe such things as medicine, music, martial arts and historical events.

(Source: *Ancient-Code.com*, <http://tinyurl.com/plgw2va>)

## QUANTUM COMMUNICATION WITH EXTRATERRESTRIAL INTELLIGENCE

by Ovidiu Racorean © 2017

Humanity now is facing the dawn of a new technological era involving quantum mechanics in almost all aspects of life, from computation to communication. It might be natural to ask if we should consider the search for quantum messages from extraterrestrial intelligence (ETI).

China launched the first quantum communication satellite in August 2016, bringing us to the verge of a huge jump in communication technology. Light is considered to be a carrier of quantum information, so the Chinese satellite is primarily designed to test the robustness of quantum entanglement—a bizarre property of quantum systems which is responsible for quantum computation and communication.

Furthermore, this first quantum satellite is designed to investigate not only high-security data encryption but also a new way of transferring data as quantum information encoded in light particles, or photons.

The quantum communication revolution may prove important in



transferring data at far distances, and thus in communicating with our peer-intelligence life in the universe.

Is quantum communication through light the answer to our longtime search for ETI signals?

### Quantum Information Processing in the Universe

As weird as it may sound, considering our actual technology for exploring physical reality, quantum communication may be the primary method of information transfer in the universe, as a recent article suggests.<sup>1</sup> Light travelling in the distorted spacetime close to spinning black holes is constrained to encode and process quantum information in a similar way to how information is manipulated in our laboratory quantum computers.

Following the curved and twisted lines of the distorted spacetime, photons encode quantum bits of information in defined sequences that may remind us of lines of code in a computer program. When they eventually escape the black hole's influence, the photons in the light beams are endowed with simple quantum codes that we may be able to interpret and assess for the information they contain.

Since quantum computation and quantum communication seem to

be natural phenomena occurring in the universe, it may be correct to regard quantum communication with light as the usual means by which advanced civilisations exchange information.

### Searching for Extraterrestrial Quantum Messages

We already have the technological capabilities to detect and measure quantum information encoded in light. Accordingly, many university laboratories and private companies around the world are testing quantum technology in all aspects of its applicability, from encoding quantum algorithms in photons to transferring quantum bits at significant distances and storing quantum information.

The technological equipment that researchers are using now in labs may well serve to analyse the light captured by telescopes from outer space and measure the quantum information stored in every photon. Moreover, by pointing telescopes in the right directions in space, considering that NASA has recently discovered Earth-like exoplanets<sup>2</sup>, we increase our chances of detecting quantum signals.

Initially, we may be able to detect and measure only elementary quantum states exhibiting a certain

extent of quantum entanglement and even maximally entangled Bell states. These would be clear signs that we are not alone.

And although we may be able to detect and decode fragments of quantum information stored in astronomical light, we still need special tools in order to correctly identify the encoded messages.

### Quantum Computation

Detecting the quantum information encoded in light may be the premise for quantum communication with ETI, but it still does not resolve the problem of interpreting the content of the messages. The required instrument that hypothetically may arrange the detected quantum states in the right sequence so as to decipher the quantum messages is the quantum computer. By harnessing the tremendous computational power of quantum computers, quantum states of photons may be put together in the right order to form intelligible output.

The efforts to create a functional quantum computer are now in the final stage of moving the product out of the laboratory and implementing it on the industrial level. In the not-too-distant future, quantum computation will be part of our daily routine.

Yet, the fact that we may not be able to correctly interpret the quantum messages which we may detect from outer-space intelligent life should not affect our quantum search for ETI. Even if the SETI program detected an extraterrestrial signal one day, it most probably wouldn't be able to decrypt its content immediately.

### An Instant Alert Mechanism

Another key ingredient in the attempt to quantum-communicate with other intelligent life-forms in the universe is the means to decrypt quantum messages. We would need a quantum key.

A quantum key would ensure the

security of the communication and endow the receiver with the necessary tool to properly assess the content of the messages. In the absence of a quantum key, we may not be able to accurately decipher a hypothetical quantum message that ETI may communicate.

Although the quantum key is missing, we should emphasise here a remarkable property of quantum entanglement: the measurement of the quantum state of one photon of an entangled pair instantly decays the state of the other. Roughly speaking, when we first detect and measure the quantum information encoded in photons sent by ETI, the sender of the message is alerted immediately. Our first quantum measurement acts like an "alert button", instantly letting the sending ETI know that another technologically advanced civilisation is receiving the message.

In conclusion, all that we have to do is to measure the quantum information stored in one tiny photon to connect ourselves to the "universal quantum Internet". ∞

### About the Author:

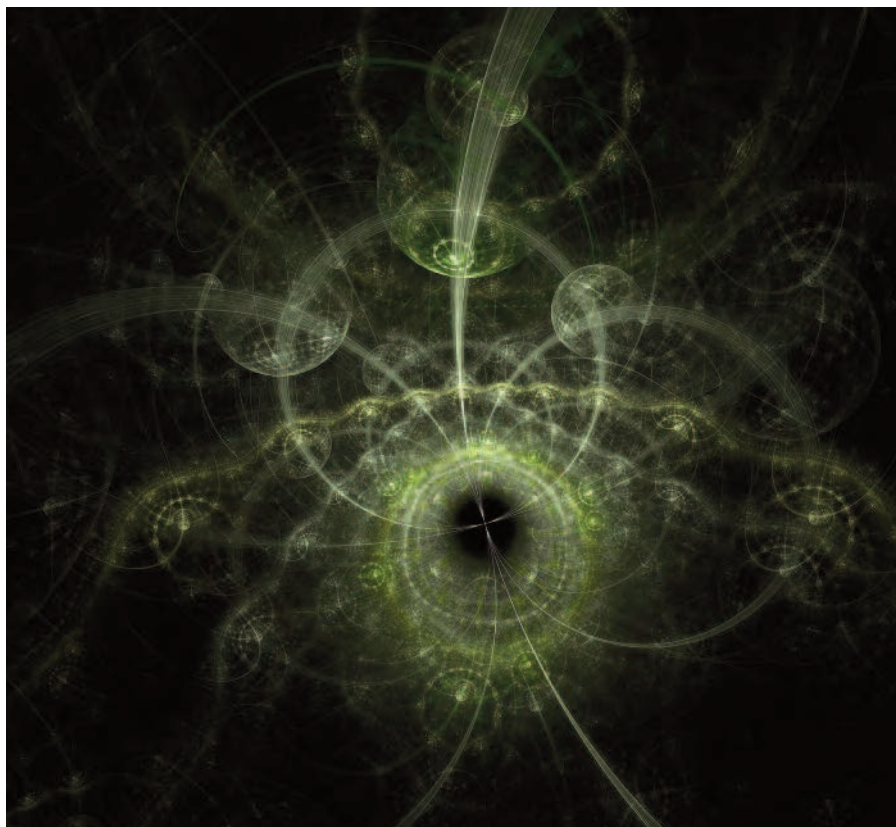
Ovidiu Racorean received a master's degree in quantitative finance from the Academy of Economic Studies in Bucharest, Romania. One of his key interests is applying mathematics and quantum mechanics formalism to financial markets. His book *The StockMarketHedron* was published in 2015. His article "The Universe is a Quantum Algorithm" appeared in Science News in NEXUS 23/01.

Ovidiu Racorean can be contacted at [decontatorul@hotmail.com](mailto:decontatorul@hotmail.com).

### Endnotes

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(Source: Edited from a posting at *EnergyFanatics.com*, 25 March 2017, <http://tinyurl.com/lhj2ghj>)





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### THE JOY OF LIVING

by Barry Eaton & Anne Morjanoff  
Rockpool Pub., Sydney, 2017

ISBN 978-1-925429-48-0 (215pp)

[www.nexusmagazine.com](http://www.nexusmagazine.com)

Barry Eaton has written two books on the afterlife (18/03, 21/03), yet ironically his new book is about postponing it. Eaton, a well-known Australian TV and radio broadcaster, educator, astrologer, psychic and the host of RadioOutThere, was diagnosed in 2013 with throat and thyroid cancer—conditions which threatened his very livelihood, let alone his life. A believer in holistic health treatments, he decided not to rely on them exclusively but to have surgery and radiotherapy. He had to confront his fears, but he'd already equipped himself with the know-how to overcome them.

In *The Joy of Living*, Eaton charts his path from diagnosis to treatment to getting the all-clear, sprinkling his narrative with heartfelt, harrowing and observant details, humorous anecdotes and much self-reflection. His supportive partner Anne Morjanoff tells her side of the story, and his son Matt Eaton contributes a chapter from his viewpoint.

Barry Eaton feels privileged to have survived his ordeal and live to tell the tale. He emerged with not just a new lease on life but a deeper understanding of his purpose as well as the importance of family and friends. His book offers insights for anyone who has or knows someone with a life-endangering illness. It's a life-affirming healing journey.

### THE PHYSICS OF TRANSFIGURED LIGHT

by Leon Marvell, PhD

Inner Traditions, VT, USA, 2016

(first pub. in 2007 by Academica

Press as *Transfigured Light*)

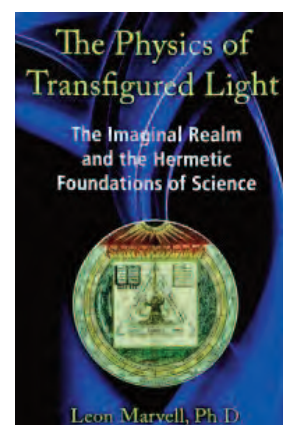
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In the preface to the new edition of his 2007 book, Deakin University associate professor Dr Leon Marvell announces the death of materialist philosophy. Materialism has led to our disenchantment with the world and our loss of connection with the awe-inspiring, living universe.

As Dr Marvell elucidates, many of the ideas on which modern theories of chaos and complexity, artificial intelligence and cognitive science are based owe themselves to the

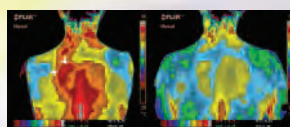
15th-century rediscovery of Hermeticism, which was suppressed with the onset of the 17th-century scientific revolution. Hermetic philosophy was a strong stream of secret knowledge in ancient Greece and Egypt. It has been preserved through the centuries and is still relevant as it's at the forefront of our civilisation—in which information is instantly available on the Internet, consciousness is increasingly understood to be all-pervasive, and the cosmos is appreciated to be more than just random matter at play. Dr Marvell in his erudite thesis links key historical thinking with this ancient mystery school which continues to impart universal truths.



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ISBN 978-0-8356-0921-0 (326pp)  
[www.questbooks.net](http://www.questbooks.net)

Healing through the power of the mind has been shown to help where conventional medical treatments have failed. Peruvian clinical hypnotherapist and holistic counsellor Dr Albert Amao traces modern interest in mental healing to the influence of the famous German physician Franz Mesmer. In the mid-19th century, his "magnetic healing" was taken up in a different way by New England pioneer Phineas Quimby, Father of the New Thought healing philosophy. This modality was progressed by his contemporaries, including: Warren Felt Evans and the Dressers; Mary Baker Eddy, founder of Christian Science; Emma Hopkins, Malinda Cramer and the Brooks Sisters of the Church of Divine Science; and Ernest Holmes of the Church of Religious Science. Most of these mind-healers had intractable illnesses which they overcame with the power of the mind, prayer, affirmations and positive thinking.

Dr Amao examines mind-healing in the context of the development of psychology, hypnotherapy and understanding of the subconscious

mind. He outlines the work of mind-healing trailblazers in Europe and Britain, as well as fundamentals including the law of attraction, the placebo effect, imagery and self-empowerment. He discusses modern trends including the healing power of love, energy healing and spiritual mind healing. Dr Amao's enlightening book provides essential background to the rise of New Age self-help disciplines.

## THE NINE WAVES OF CREATION by Carl Johan Calleman, PhD

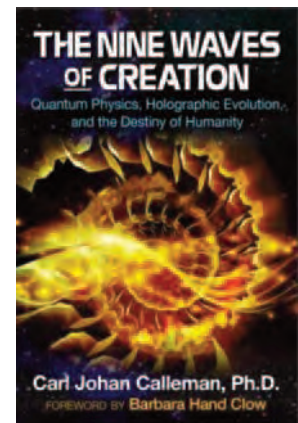
Bear & Company, VT, USA, 2016  
ISBN 978-1-59143-277-7 (307pp)  
[www.BearandCompanyBooks.com](http://www.BearandCompanyBooks.com)

In the beginning was the word, and the emanation of that word was the Cosmic Axis or Cosmic Tree of Life, the expression of pure geometry, from which came forth successive creation waves, each of a 20 times higher frequency than the former. According to Dr Carl Johan Calleman (23/05), the first two of these quantum fractal holographic waves seeded life on Earth.

By the time of the sixth wave (c. 3115 BCE), civilisations arose along with the dualistic mindset. The seventh wave (c. 1755 CE) heralded the scientific revolution along with materialism and democracy; the eighth (January 1999), the rise of

smart technologies and powerful female energies; and the ninth (March 2011), the upwelling of unity consciousness. These waves are undetectable, but the ancients—Chinese, Hindu, Egyptian, Maya, Aboriginal among them—intuitively understood them and represented them in their cosmologies. No wonder the serpent was such a significant symbol, its movements exemplifying these creation waves.

Each frequency has its "day" and "night" sine-wave aspects. And while we've entered the ninth wave, our cultures are still imbued with the long-range sixth-wave frequency. Dr Calleman suggests how we can resonate with the higher creation waves and manifest the destiny that the ancients saw in store for us. He explains the movements of the ages and the purpose of the universe.



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**CORPORATE TIES THAT BIND**  
 edited by Martin J. Walker  
 Skyhorse, New York, USA, 2017  
 ISBN 978-1-5107-1188-4 (553pp hc)  
[www.skyhorsepublishing.com](http://www.skyhorsepublishing.com)



This important collection of essays on corporate ties and vested interests is the result of a years-long collaboration between researcher/activist and *Dirty Medicine* author Martin J. Walker (see 17/05, 18/06), oncology professor Lennart Hardell, MD, PhD, and science/medicine writer Bo Walhjalt (who died in 2016). They also contribute to the compilation. The preface is by US environmental health sciences professor David O. Carpenter, MD. The essays cover historical and present-day workings of corporations and their links with governments, academia, regulators and publicity hacks, compromising public health and safety as well as environmental and wildlife health. Contributors include independent researchers, scientists, physicians, epidemiologists, ethicists, activists, unionists and others. The subjects cover a wide gamut of disturbing consequences from toxic chemicals, X-rays, asbestos, vaccines, electromagnetic radiation, mine dust and more, and relate to experiences in the UK, USA, Europe and Australia.

These 24 essays reveal how corporations produce, process and promote toxic products, and how individuals and companies conspire to overlook or suppress health-damaging effects. Walker's exposé on the hijacking of the UK's vaccine program and Dr Don Maisch's

revelations on institutional rejection of mobile phone dangers are great examples. The final chapters look at how conflicts of interest can be avoided and how industries might adopt the precautionary principle.

Health and democracy are being sacrificed at the altar of corporate profitability, and Walker says it's imperative that we take a stand.

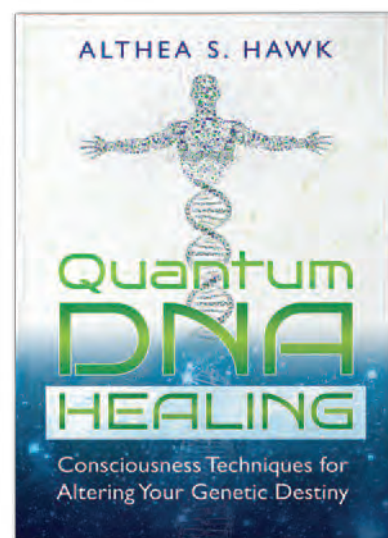
**NOURISHING FATS**  
 by Sally Fallon Morell  
 Grand Central Life & Style,  
 New York, USA, 2017  
 ISBN 978-1-4555-9255-5 (256pp)  
[www.grandcentrallifeandstyle.com](http://www.grandcentrallifeandstyle.com)

Heart disease and cancer were rare before we were turned away from nutritious diets rich in saturated animal fats sourced from butter, cream, lard, tallow and fatty meats. As Sally Fallon Morell points out, the rot set in over 100 years ago when industrialised fats were introduced into western diets (9/05, 17/03). They are still with us, along with the dogma that saturated fats and cholesterol are killers. Fallon Morell, President of the Weston A. Price Foundation which continues the work of dentist Dr Price who researched traditional diets and their link with good health, exposes the propaganda, dodgy science and fudged statistics imposed on us even today. This government-sanctioned bad diet, which extols industrialised, polyunsaturated, denatured liquid vegetable oils, has ruined the health of populations for decades, especially since the 1950s.

We need saturated fats and cholesterol to support our cellular structure, hormone production, brain function and growth. They contain essential fatty acids and fat-soluble A, D and K<sub>2</sub> vitamins which protect against inflammation, heart disease, cancer, obesity, diabetes and autoimmune diseases and also improve the IQ and memory.

Also referring to the findings of the late Dr Mary Enig, Fallon Morell serves up the real facts about saturated fats along with nourishing recipes in her welcome guidebook.

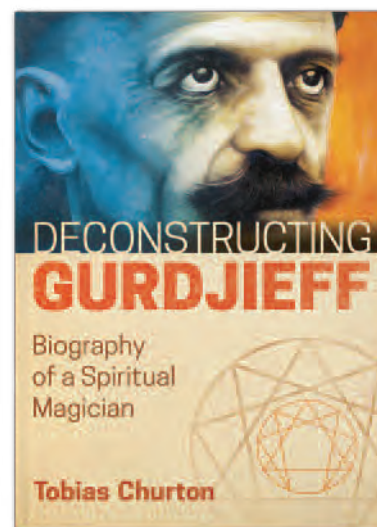
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## THE LOST WORLD OF CHAM

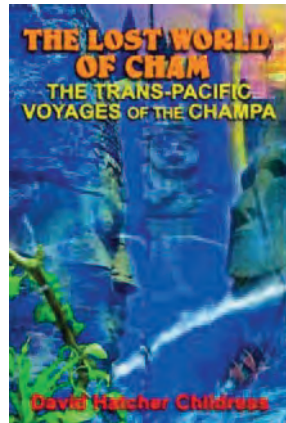
by David Hatcher Childress

AUP, Illinois, USA, 2017

ISBN 978-1-939149-72-5 (439pp)

[www.AdventuresUnlimitedPress.com](http://www.AdventuresUnlimitedPress.com)

[www.nexusmagazine.com](http://www.nexusmagazine.com)



In his newest book, adventurer David Hatcher Childress explores the world of the Cham (pronounced "Kom"), also known as the Champa. Based in central-southern Vietnam, they were a great seafaring people from at least c. 1200 BC to c. 650 AD, probably mounting their expeditions from Cham Island off the central Vietnam coast. They are believed to have originated from African-Egyptian seafarers via India and to have had Hindu and later Buddhist religious beliefs. Their temples of basalt, granite and brick can still be seen at places like My Son ("Mee Sun"), and they built cities at other sites in Vietnam as well as in Cambodia, Sumatra, Java (where basalt columns are visible at Gunung Padang) and elsewhere before making journeys out into the Pacific. On their travels, the Cham sought out metals, for they were skilled metallurgists. They may also have had access to flying machines.

The Cham may have created the megalithic basalt cities at Nan Madol on Pohnpei and on Kosrae as well as the tiki-style statues on Sulawesi. On earlier travels they may have joined Shang Chinese sailors and reached Easter Island, North America, Mexico, Colombia, Peru and Bolivia, where the monuments of Tiwanaku and Puma Punku have striking similarities with

Cham styles. The Cham Empire came to an end with challenges from rising powers closer to home.

Childress presents intriguing details and photos of the influences of these little-known Cham people.

## SKY CRITTERS

by Antony Milne

Empiricus Books, UK, 2016

ISBN 978-1-85756-861-5 (283pp)

[www.januspublishing.co.uk](http://www.januspublishing.co.uk)

Mainstream science is closed-minded on unexplained phenomena, says popular science and paranormal writer Antony Milne (19/04, 22/02). Here he devotes his attention to UFOs, aerial lights and alien intelligence. First up, he discusses beliefs about UFOs, why so many scientists and military types publicly deny UFO reality, how science is rigged, why UFO groups aren't always on the same page, and why there are security fears over UFO interest in nuclear sites.

Next, Milne investigates the piezo-electric Earth lights theory, atmospheric lights and morphing orbs, the "sky critters" discoveries of radio engineer Trevor Constable, and reports of unusual "black bag" UFOs and "angel hair" fallout. He summarises details of remarkable UFO sightings from modern and historical times, and reproduces photographs of shape-shifting craft.

Finally, Milne takes a look at SETI as a cult, the UFO travel problem, the search for biosignatures, and the idea that UFOs may be made of light and powered by the cosmos. He suggests that science is wrong in making pronouncements that are untestable (e.g., on superstrings), that academic anti-intellectualism is being institutionalised, and that environmental and health sciences are producing scares that are unfounded or are unsupported by evidence. He criticises climate change science as being more concerned with taking control of scientific truth than with truth itself.

Milne's book is a worthy primer on phenomena whose presence we can't ignore as aspects of our world.

## OUT OF AUSTRALIA

by Steven and Evan Strong

Hampton Roads, VA, USA, 2017

(first published as *Shunned* by

Possible Press, Sydney, 2013)

ISBN 978-1-57174-781-5 (224pp)

[www.Amazon.com](http://www.Amazon.com)

[www.forgottenorigin.com](http://www.forgottenorigin.com)



The Out of Africa theory doesn't hold up in terms of genetics or archaeology in regard to Australia's Original peoples, the Aborigines, say father and son researchers Steven and Evan Strong (see 22/04, 23/04). Based on often-ignored studies and findings from their long-time links with Original Elders on the mainland and in Tasmania, the Stronges maintain that *Homo sapiens* evolved in Australia. They identify three main types: robust, gracile and small-stature. The evolutionary timeline busts orthodox paradigms by tens of thousands if not hundreds of thousands of years.

Far from being primitive peoples, as judged by invading Europeans in the late 18th century and beyond, the Originals were the first to devise astronomy, spiritual concepts, art, language, mathematics, gender equality and democracy and to develop capabilities including monument erection, eel farming, ship building, seafaring and even medical interventions such as brain surgery, amputation, mummification and penicillin treatments.

The Stronges believe that the Originals voyaged to many parts of the globe, spreading their culture at least 50,000 years ago. It can be found in such diverse places as

Egypt, Siberia, Japan, India and the Americas. The Originals have always lived in harmony with the land, and their Rainbow Serpent creation myth is the source of all religions. The Stronges implore that we listen to the Originals' wisdom.

## THE LOST CONTINENT OF PAN

by Susan B. Martinez, PhD

Bear & Company, VT, USA, 2016

ISBN 978-1-59143-267-8 (501pp)

[www.BearandCompanyBooks.com](http://www.BearandCompanyBooks.com)

Evidence for a lost continent in the Pacific, called Pan, Lemuria or Mu, is put forward by linguist and anthropologist Dr Susan Martinez (18/03, 21/02). As she sees it, this source of civilisation was allegedly destroyed about 24,000 years ago in a cataclysm that led to the dispersal of many survivors to western and eastern lands. They transferred their language to these far-flung places, and Dr Martinez explains how particular root words became part of the languages of ancient cultures in Mesopotamia, Asia and the Americas. The word "Pan", for instance, meaning "all-encompassing", is evident in the names Japan, Panape and Panama. Contrary to popular belief, the Pan inhabitants were pale-skinned. Their descendants still exist in the remnant islands of Polynesia today.

According to Dr Martinez, Pan was home to the first megalith builders, and their monuments can be seen all across the Pacific Islands. Pan survivors had a hand in the pyramids in West Java at Gunung Padang, in China, the Americas and Egypt, the moai of Easter Island, the structures off Yonaguni and the Bahamas, and the temple at Göbekli Tepe in Turkey.

Rejecting recent findings from genetics, Dr Martinez suggests that Polynesia-related DNA can be found in Central Europeans, Middle Easterners and Native Americans, among others. Extra evidence that she's uncovered comes from agriculture, pottery, writing and navigation. Her discoveries make us reassess our cultural origins.

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## FILM

REVIEWED BY RICHARD GILES

### THE UFO CONCLUSION

directed by Richard Lowry  
Andromeda Motion Pictures, USA,  
2016 (47mins)

[www.imdb.com/title/tt4807552/](http://www.imdb.com/title/tt4807552/)

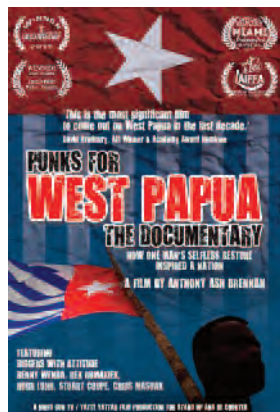
This film documentary, narrated by Maire Clerkin, looks at the vast array of evidence available on the UFO experience. It asks why governments have gone to such lengths to stifle the overwhelming evidence that otherworldly craft and beings exist. Some of our greatest research minds unveil the truth behind this colossal cover-up.

Many figures from the UFO research community take part in this film and give their honest opinions on the state of truth about UFOs and ET visitors. The interviewees include Stephen Bassett, Stanton Friedman, Patty Greer, Ron James, Jim Marrs, Richard Lowry and others, some of whom converged in June 2015 at a remote location in the Utah desert. Their statements and conclusions will amaze you.

The extraordinary amount of evidence and film/video footage presented will convince you that there's more to this phenomenon than just strange lights in the sky.

### PUNKS FOR WEST PAPUA: THE DOCUMENTARY

directed by Anthony Ash Brennan  
Hired Gun TV/Yatte Yattah Films,  
Sydney, Australia, 2016 (46mins)  
[www.punks4westpapua.com](http://www.punks4westpapua.com)



A request in 2015 to film a punk A rock benefit concert for West Papua and later interview the West Papuan independence leader Benny Wenda on a trip to Sydney provided the impetus for filmmaker Anthony Ash Brennan to make his documentary *Punks for West Papua*. The film has been selected for screening at a number of festivals and has already won several awards.

Brennan has spent much of his working life in commercial TV and is

sceptical of mainstream media's messages. "There are too many stories we just never see," he said. The oppression of West Papua's people by Indonesia is one such story. For over five decades, Indonesia has occupied West Papua with the complicity of multinationals and the Australian government.

The band that set the ball rolling is Diggers with Attitude, and many other groups followed the example and organised their own benefit gigs. Brennan interviewed and filmed the headline acts as well as key figures in the independence movement in Australia. His film opens with loud, fast, punk music and stylised sequences. As Brennan noted: "There's actually a massive relationship between that part of the world and punk rock."

Award-winning journalist Hugh Lunn, who has visited and written extensively about West Papua, is among the interviewees. The photos in the film are from his files and add to the gravitas along with footage from a videographer in West Papua. Brennan's film is a significant documentary about the West Papuan people's struggle.

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REVIEWED BY RICHARD GILES

## FERTILE PARADOXES

by Amine & Hamza,

The Band Beyond Borders

ARC Music, UK, 2017 (70mins)

[www.arcmusic.co.uk](http://www.arcmusic.co.uk)

Tunisian brothers Amine and Hamza M'raihi are masters of the oud and the kanun (a zither-like string instrument) respectively. This is a collection of new compositions full of emotional ambience. The duo interweaves jazz, classical western, flamenco, Indian and Persian traditions. Guest artists play cello, sax, frame drum, violin, djembe, udu, tambourine, clarinet and accordion, and a chamber orchestra is featured on the tracks "Spleen" and "Lullaby for Leo". The album dips deep into modern harmonies, with great hypnotic grooves. Exceptional playing.



## ABBAR EL HAMADA

by Aziza Brahim

Glitterbeat Records, Germany,

2016 (38mins)

<http://glitterbeat.com>

[www.theplanetcompany.com](http://www.theplanetcompany.com)

Aziza Brahim comes from the Saharawi desert peoples who are stranded in refugee camps along the Algeria–Western Sahara frontier. Her songs reflect these exiles' restlessness, and *Hamada* in the album's title describes the rocky landscape around their camps. Aziza Brahim is on vocals and tabal, Badra Abdallahi is on backing vocals, Guillen Aguilar on guitars and mandola, Kalilou Sangare and Ignasi Cussó on guitars, Aleix

Tobias on percussion, and Sengane Ngom on sabar (drum), tama (talking drum) and djembe. The cover image portrays the stark desert, and Aziza's music captures the yearning for homeland.

## UNFOLDING THE ROOTS

by MANDolinMAN

ARC Music, UK, 2017 (43mins)

[www.arcmusic.co.uk](http://www.arcmusic.co.uk)

This album is the third by the Flemish four-piece group MANDolinMAN from Belgium. For this new recording, they decided to explore their roots in Flemish folk music, reinterpreting a series of waltzes, mazurkas and polkas with contemporary treatments. Their intention was to renew traditional tunes by infusing them with new energy. The band's members are founder Andries Boone, Dirk Naessens and Peter-Jan Daemson on mandolin and Maarten Decombel on mandocello. A refreshing contra-dance album.

## TARG

by Bargou 08

Glitterbeat Records, Germany,

2017 (43mins)

<http://glitterbeat.com>

[www.theplanetcompany.com](http://www.theplanetcompany.com)

Nidhal Yahyaoui was born in the Tunisian town of Bargou, near the Algerian border, which has its own distinctive songs in the Targ dialect, a Berber–Arabic blend. Nidhal assembled a collective of local and European musicians who spent three weeks in the Yahyaoui family home in Bargou, listening to the elders' songs and learning how to play the variations. They then shaped the material to connect with the village's young people. Producer and keyboard player Ben Yousef said: "The songs chose us. The place made the selection for us." This is modern psychedelia mixed with traditional trance world music. An energetic dance disc.

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## MARY RODWELL: STARSEED CHILDREN

In her latest book, Mary Rodwell documents a marked difference with the newest generation of starseed children: they're less fearful than the early Indigo kids and more able to embrace their experiences because they have an even broader multidimensional lens. There's now also evidence to suggest that this phenomenon has intergenerational aspects.

These children are "the new humans" on a mission to raise humanity's consciousness beyond our limited 3D reality and awaken us to our true heritage, as they have a connection with intergalactic intelligences. They tell of travels on spaceships, advanced instruction on other planets, past lives and out-of-body experiences, teleportation, precognition...

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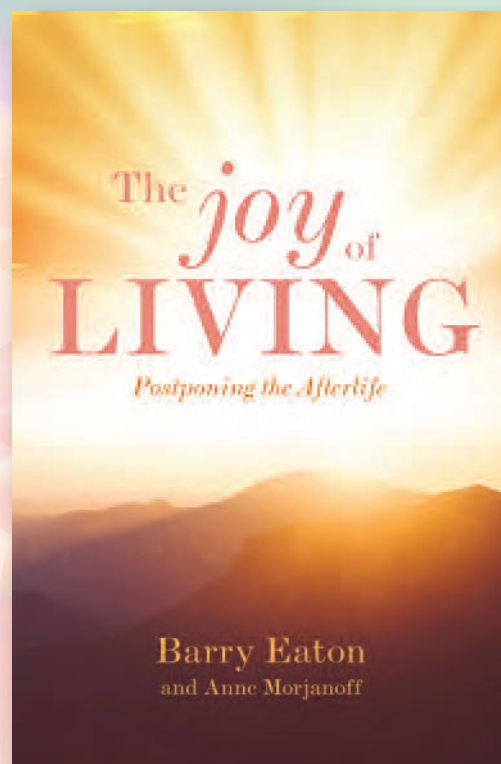
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## Eliminating Osteoarthritis Pain with Niacinamide Continued from page 22

Father of Bio-identical Hormones" by his peers, he was the first physician in the USA in the early 1980s to prescribe comprehensive hormone replacement therapy with hormones identical to those found in nature, a therapy now used by millions. He has written 13 books and numerous medical articles, and from 1976 to 2000 he wrote monthly magazine columns. Since 1994, Dr Wright has written a popular monthly newsletter. For more information and to subscribe, visit the website <http://www.GreenMedicineNewsletter.com>.

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(Source: Edited from Jonathan V. Wright, MD's Green Medicine, Volume 1, Issue 7, September 2016)

## Peter Pan meets Pyramid Head Continued from page 44

architect Albert Speer had proved unqualified for the job of building DUMBs. Just like Todt and Ohnesorge, Dorsch had been a Nazi Party member since the very beginning. In spite of his use of slave labour, he walked away clean when the war ended and then founded the German construction giant Dorsch Gruppe.

In the aftermath of the war, the AEC examined the subterranean city that was later turned into a metaphor in the book *The Chronicle of Akakor*. After inspection, the AEC removed technical equipment that has remained undisclosed to this day, blew up the entrances and classified all documents relating to the underground at Ohrdruf for 100 years. In the spring of 1947, the US War Department gave the AEC Camp Upton in Brookhaven, Long Island, and it was there that the AEC would put to use what it had learned in Germany. ∞

### About the Authors:

- Jack Heart is a columnist for VeteransToday.com. For biographical details and article postings, go to the web page <http://www.VeteransToday.com/author/jackheart/>. Visit his blog <http://www.jackheart2014.blogspot.com>.
- Orage is a researcher and expert in pattern recognition who assists Jack Heart in his literary endeavours. Visit his blog <http://www.mensch-orage.blogspot.com>.

### Editor's Note:

This is edited from the article by Jack Heart and Orage, posted at <http://www.VeteransToday.com> on 27 March 2017; the original is at <http://tinyurl.com/kzl6rsn>.

Previous articles by Jack Heart and Orage in NEXUS are "MKUltra, Bioweapons and the Zombie Empire" in 23/03-04 and "Shadow of Nemesis" in 22/06-23/01.

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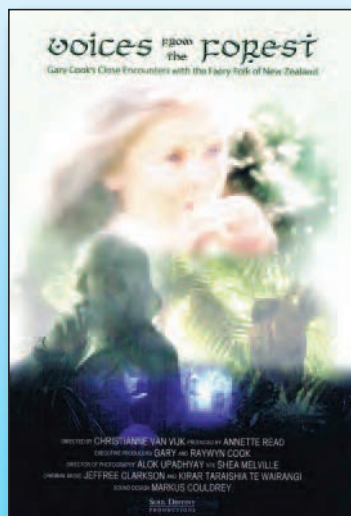
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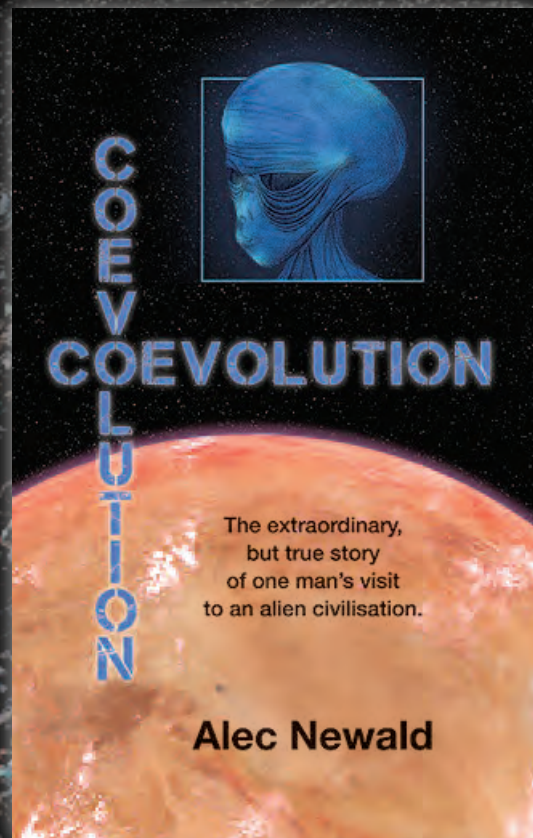
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## Denisovan Star Trails Continued from page 67

preparing a book on the Pleiades in global myth, ritual and cataclysm memory. His article "Nan Madol, City of Spirits on the Reef of Heaven" was published in NEXUS 23/01. He can be contacted at alhohan27@gmail.com.

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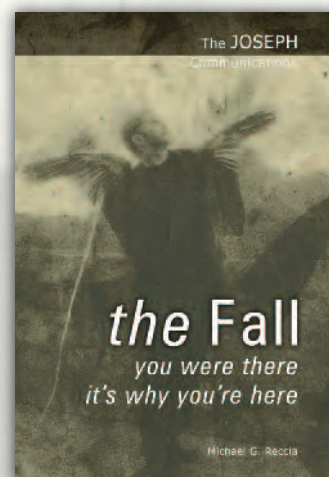
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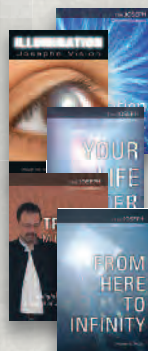
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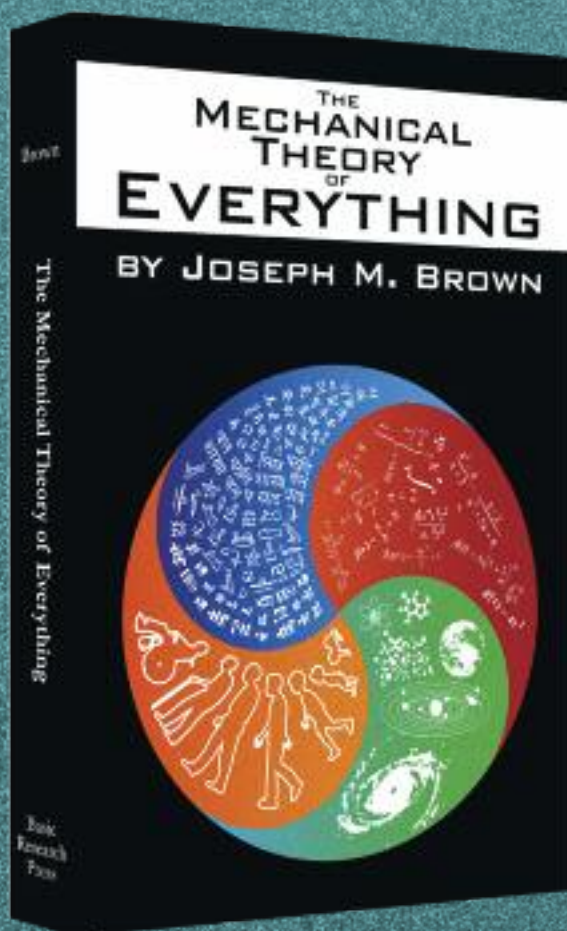
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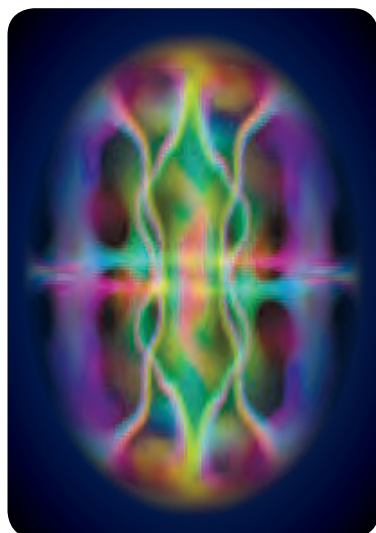


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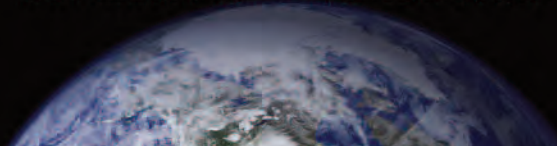
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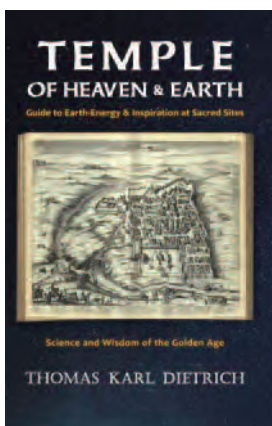
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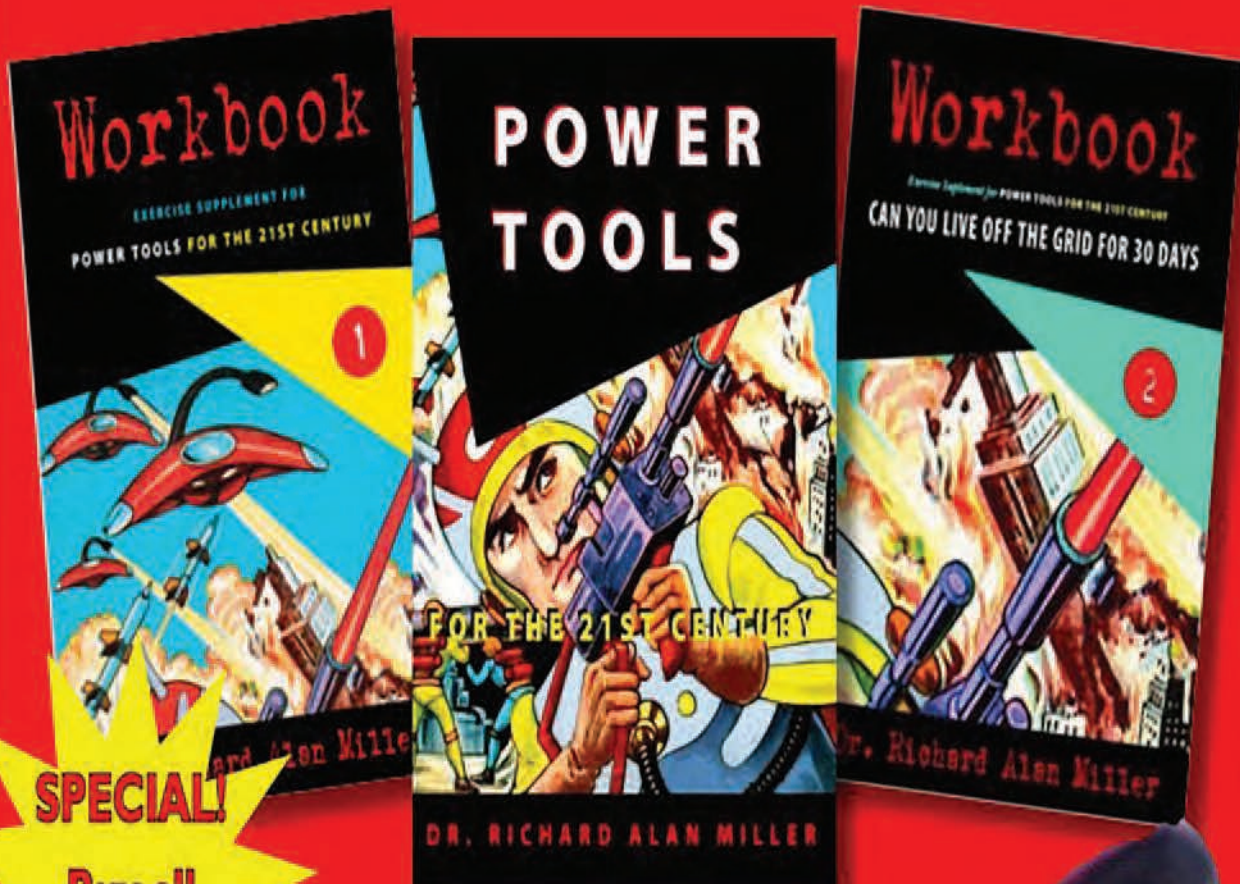


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Clause 1 Pre-ambble and s.128 (the people) replaced England's Parliament as law maker (s.58, s.59, s.60) and gave EXCLUSIVE legislative (s.52) authority to ONE PARLIAMENT (Cause 1 Pre-ambble; s.125, s.51, Cl.5 Pre-ambble) Colonial governors were removed from colonial parliaments by s.70. S.61 replaced the colonial governors, with the Queen as EXCLUSIVE (s.52) ruler of Australia. (hence the term CONSTITUTIONAL MONARCHY). King David was appointed forever as the representative of Almighty GOD (2 Samuel 7:8, 16)

This is why King David's flage is flown wherever the Queen goes, and why she is crowned Queen in the Christian church of Almighty GOD. The Queen is not "English", her ancestry to King David's appointment by Almighty GOD requires ALL Australians in the public service to swear the Schedule of the Constitution to demonstrate to the People, that they intend to "humbly rely on the blessings of Almighty God" (Cl. 1 Pre-ambble) as the people by s.128 referendum in 1999 requires, regarding the monarchy of King David, chosen by Almighty God. This is why the Holy Bible is in every court of law, to acknowledge Almighty God is ruler of all the Earth. In the English Dictionary the word GOD means "Creator and ruler of the Universe" Father Son and Holy Ghost". English is the language of "the Rule of Law". Every migrant requiring Australian citizenship, must declare the Pre-ambble, to remove the operation of s.25, s.34 (ii); s.44(i) on their citizenship, (previous citizenship bestowed by local councils etc, have no Constitutional authority, because like the 'state parliaments', they do not have the authority of s.128. The death penalty for TREASON (s.44,ii) requires s.128 to remove it from s.108 in the 1900 Crimes Act.

All monies are to be paid into ONE Consolidated Revenue Fund (s.81) and every month the electorates are to be paid an allowance by the Commonwealth (s.94) administered by the House of Representatives (s.28) people's representatives in their electorates, and the Queen's Ministers of State (s.64) to administer the spending of this money in each electorate EVERY MONTH. S.44(i) prevents expenditure by parliament outside of Australia, to foreigners, as an act of parlilamentary disqualification. Political parties of more than 25 persons also disqualifies (s.44,v) under a penalty of \$200 per day, to any Australian who applies (s.64) to a Court.

There is no Prime Minister authorised by the Constitution 1901

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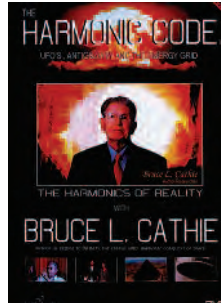
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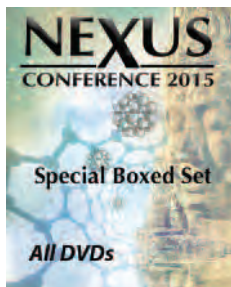
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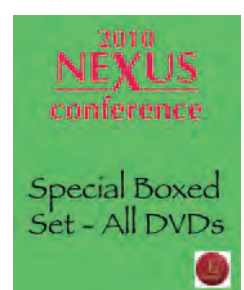
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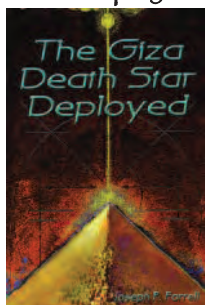


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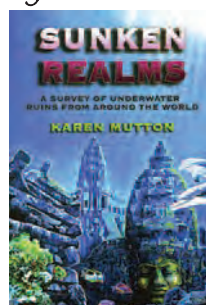
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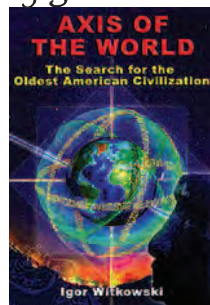
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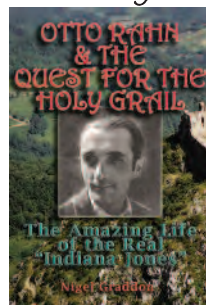
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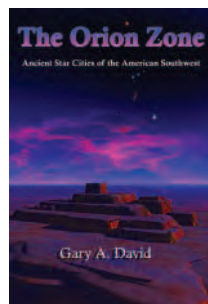
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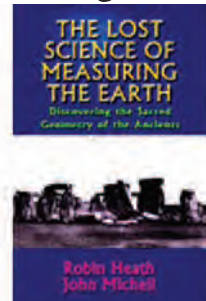
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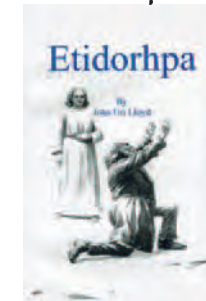
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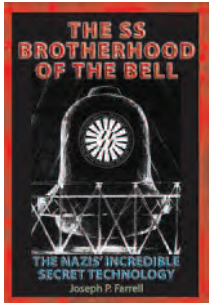


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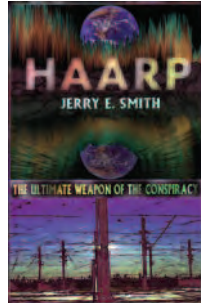
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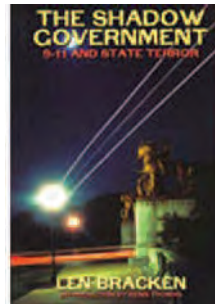
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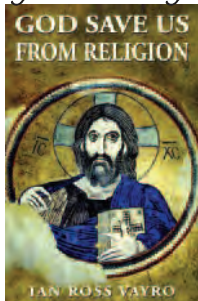
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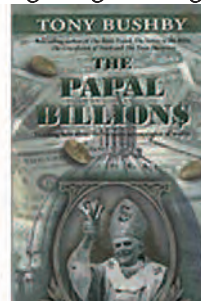
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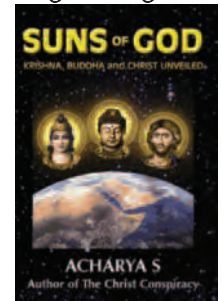
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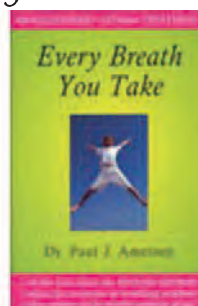
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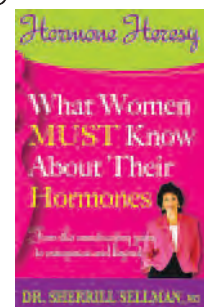
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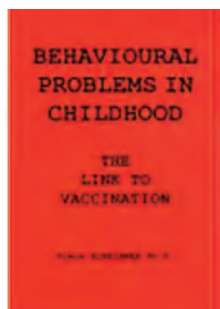
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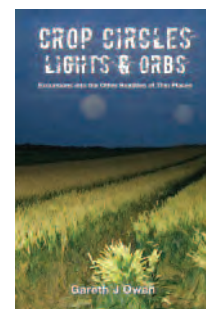
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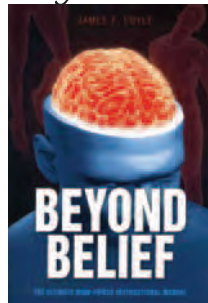
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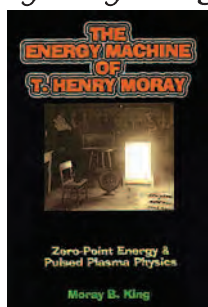


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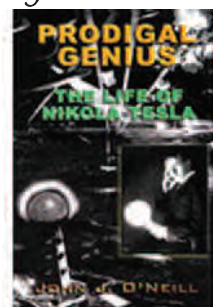
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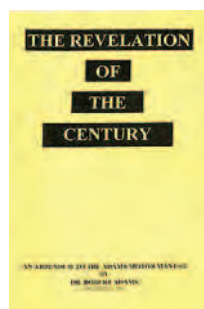
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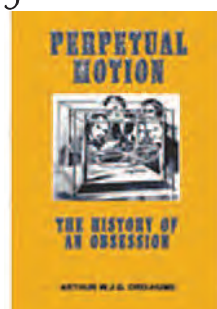
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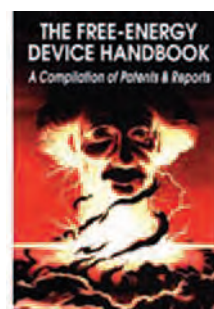
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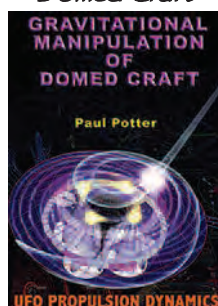
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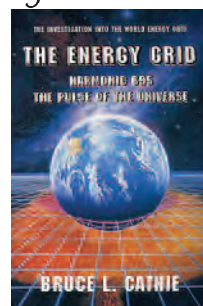
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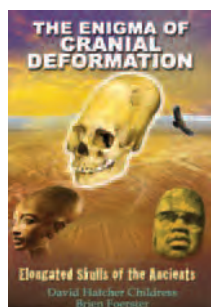


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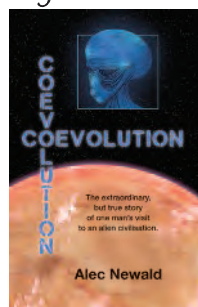
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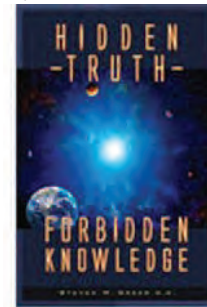
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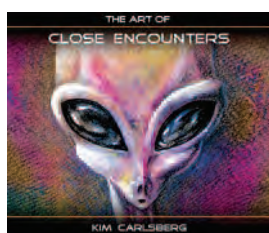
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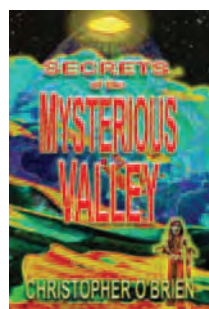
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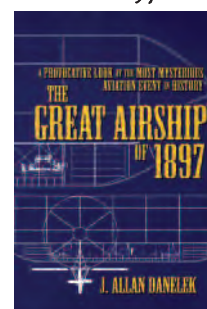
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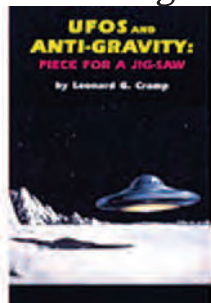
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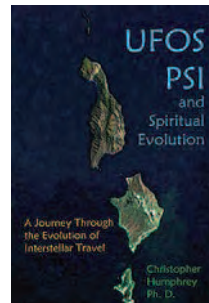
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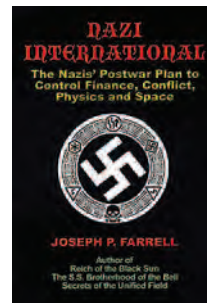
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Tel: 64 (0)9 405 1963

Email: lee@nexusmagazine.com

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Contact: Alex Allen, NEXUS Magazine (UK)

55 Queens Rd, E. Grinstead, W. Sussex, RH19 1BG, UK

Tel: 44 1342 322854; Fax: 44 1342 324574

Email: nexus@ukoffice.u-net.com

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Contact: Duncan Roads, NEXUS Magazine

PO Box 307, Maleny Qld 4552, Australia

Tel: (07) 5442 9280 Email: editor@nexusmagazine.com



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# Is it Time to Renew Your Health or Finances?

## Take *Elixir of Life*

by Denis of Oz  
Daily



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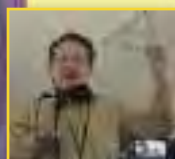
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### Winter Testimonials...

**Effectiveness & Abundance:** A friend came over before a busy show and I put 20 drops of your latest MA Supermoon Ormus in her kombucha drink. She can't stop getting everything done and she feels so happy. I had more luck again today too as I sold 2 dogs for \$1100 to one farmer here. Thanks again Denis, Wow! - **Karen Albury NSW (Australia).**

**I FEEL THE LOOOOOOOVE!** Your 'Self Regeneration' Ormus is brilliant. Every ailment and injury I ever had has been visited from a few seconds to 24 hours, pained but not as bad as when they occurred, and then healed. Even from 1974! My meditations are also noticeably deeper. I have more energy too after having glandular fever so many times, a noticeable effect - and so quickly. My Hubby took it too. He is getting a strong effect, and is LOVING IT! Thank you so much. We got the Soul Freedom Pack Oh, and did I mention the LOOOOOOVE? Amazing! - **Toni, Robina (Australia).**

**Uplifting Feelings of Joy!** “Denis, Your Ormus is one of the BEST I have ever had. I have taken it 3 times now. Here is an interesting observation: The first 2 times afterwards I felt the familiar Ormus ‘spin’ in my third eye. Wonderful uplifting feelings of joy, peace, contentment overcame me after awhile. Very noticeable! - **Nancy (USA)**



**Your MA Ormus Really Does the Job!** - *With the first bottle of MA, I saw gold sparks, then money started coming from little wins and then some bigger ones. The dreamtime bottle really amps the dreams up, I dont wanna wake up; - Your Ormus really does the job. Cool to have found your stuff.* - **Kim McNab Parnell NZ**

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## **Blushield Tesla Gold Home Pack**

1 x Tesla Gold Plug-in plus 1 x Tesla Gold Portable

Recommended for homes with low to high electromagnetic fields, the plug-in unit covers 45 metres in all directions (90 metre diameter).

Great for teenagers and adults, the Tesla Gold Portable covers a three-metre area in all directions (six metre diameter).



## **Tesla Gold Travel Pack**

2 x Tesla Gold Portable units

The Tesla Gold Portable Travel Pack comes with two portable devices each covering a three metre area in all directions (six metre diameter).



## **Tesla Gold Office Pack**

1 x Tesla Gold Plug-in and 2 x Tesla Gold Portable units

The Tesla Gold Cube is suitable for homes with very high EMF; homes within sight of a mobile phone antenna; homes with smart meters; high-rise apartments; workplaces; schools & hospitals. It covers 90 metres in all directions (180m diameter).

Size: 100mm x 100mm x 100mm

